

peptide	MW	pI	neg res	pos res	ext coeff	aliphatic index
DENDNDDDENENDDGSC	2272.9	2.99	12	0	0	0
EDYEDDTNDDSDDETGDGSC	2269	2.99	12	0	1490	0
EQEDYDDDEEQEQDEDDGSC	2393.1	3	13	0	1490	0
TSDTDEETDNDDDDEDQGSC	2205.9	3.01	11	0	0	0
TETDDDESSDESDDDNGSC	2164.9	3.04	11	0	0	0
QSDQESYQDEEDDDDDQGSC	2308.1	3.05	10	0	1490	0
STEEDYEDDDQQYDDDYGSC	2392.2	3.05	10	0	4470	0
QEETQDYEDSDDESDGSC	2296	3.06	11	0	1490	0
TQQDQDDEQDTQDEDDSGSC	2259	3.07	9	0	0	0
DTSQNDEDEDEDENEDTTGSC	2219	3.08	10	0	0	0
YNETDDDQNEQEDTDDGSC	2322.1	3.08	10	0	1490	0
DDEEQEYTEDDEQTEDSGSC	2324.1	3.09	11	0	1490	0
TDDNSETDTEYDQNEDDGSC	2253	3.1	9	0	1490	0
DQDQQQDQTEEEDEDETGSC	2329.1	3.11	10	0	0	0
TQEEDDQYETSQEEDDGSC	2323.1	3.11	10	0	1490	0
TYQDTEDESDEEDQSDEGSC	2282.1	3.11	10	0	1490	0
EDYQDEDESDEQEEYEQGSC	2427.2	3.12	11	0	2980	0
ENTTEEDDYSEDQEDEEGSC	2324.1	3.12	11	0	1490	0
DSQSDQDQENETDDSEGSC	2218	3.13	9	0	0	0
QEYEDQDDNDYDTSNGSC	2355.2	3.16	8	0	2980	0
DETTEEQUESTSDETDEEGSC	2221	3.17	10	0	0	0
TTTQQDDEQQQTDDDEDYGSC	2307.2	3.18	7	0	1490	0
SYTEDENSSTQEDEDGSC	2239	3.19	8	0	1490	0
YQNDESTNYQDEEDDENGSC	2355.2	3.19	8	0	2980	0
ESTYTNQEEETSDEDEDGSC	2268.1	3.2	9	0	1490	0
QSEDEETENETSYDDTGSC	2268.1	3.2	9	0	1490	0
DDQDDSNEQYTTQEESYGSC	2314.2	3.22	7	0	2980	0
EDPEDSENPTDYTVDSWGSC	2246.2	3.22	7	0	6990	14.5
FLTLDEDEVDMYGMDEGSC	2355.5	3.22	7	0	6990	53.5
IVTVVDQVDDIEYEDPEGSC	2225.3	3.22	7	0	1490	97
NSEDTNDTYSDNEYEEEGSC	2301.1	3.23	8	0	2980	0
TEYDQDEQSNEEENTTDGSC	2294.1	3.23	8	0	1490	0
ETQSTDDDTQQTNNTEGSC	2189	3.25	6	0	0	0
SETDSSDSYDTSNESTDGSC	2086.9	3.25	6	0	1490	0
SESTQENSDESDEDTYYGSC	2246.1	3.26	7	0	2980	0
YQNQTQEENETDDYDQEGSC	2396.3	3.26	7	0	2980	0
YVQVADEDEYEMEYGLDGSC	2315.4	3.26	7	0	4470	53.5
GDQYYDEDLVIMGASDLGSC	2151.3	3.28	5	0	2980	78
LDSAGMIVLDEDDYQDGGSC	2151.3	3.28	5	0	2980	78
PYNTAMDFSNEYNDDTGSC	2259.2	3.28	5	0	2980	5
SAAFNPVWEDTGLDDFGSC	2146.2	3.28	5	0	5500	44
PEFPNLDQPEDSLLDEWGSC	2291.4	3.29	6	0	5500	58.5
DQSESESQDSYEEQQQGSC	2293.1	3.3	7	0	1490	0
SEQESTEEDNQYESDQQGSC	2293.1	3.3	7	0	1490	0
ADGDDATGIQSLDFTTFGSC	2021.1	3.32	4	0	0	49
DQDTLSITNDTYMQDALGSC	2191.3	3.32	4	0	1490	63.5
YADIYDPDDQLGVAMFYGSC	2243.4	3.32	4	0	4470	63.5
EQDNYLIDFSPWEAADYGSC	2323.4	3.33	5	0	8480	49
QYDVLSAYWEWAEDIDTGSC	2351.4	3.33	5	0	13980	63.5
SENNTSDTQTDDQETNGSC	2147	3.33	5	0	0	0
TAMPMNEGFNEDDPMFGSC	2208.3	3.33	5	0	0	5

VEIDIYPEPQPDNQYDYGSC	2345.4	3.33	5	0	4470	53.5
AQDGGTLEYTFFDEQLDGSC	2196.2	3.33	5	0	1490	44
DNQLSGWDGDEFYETLPGSC	2233.3	3.33	5	0	6990	39
FGDEWPAFYYDAIDYMEGSC	2379.5	3.33	5	0	9970	29.5
MEEWQDSDDTPIPGTFSGSC	2202.3	3.33	5	0	5500	19.5
EQPPANEDSNEEAQDFMGSC	2198.2	3.34	6	0	0	10
NDTPESEEQDMPENQFVGSC	2256.3	3.34	6	0	0	14.5
PAEPMDGIFVMEEEDWQGSC	2270.4	3.34	6	0	5500	39
QQSNQSTEDNEEETEEGSC	2307.2	3.35	7	0	1490	0
DFWTTMPEMNIDYYSDAGSC	2346.5	3.37	4	0	8480	24.5
DMTIISAMAVDMEDPGYGSC	2106.3	3.37	4	0	1490	63.5
DPDVNSPLNQFTWDMMEGSC	2286.4	3.37	4	0	5500	34
FGEASTWWQDAGGDQMGSC	2148.2	3.37	4	0	11000	10
FSFGDADYDMNLFAWFGSC	2322.5	3.37	4	0	6990	29.5
IDTDFQIMPFEDSPYPTGSC	2263.4	3.37	4	0	1490	39
IYQQPVDEDFQDGILWAGSC	2284.4	3.37	4	0	6990	78
PFDMQIQTLDVYWDVEVGSC	2393.6	3.37	4	0	6990	68
PYDTQNYILPQEIDIDSGSC	2271.4	3.37	4	0	2980	78
QQDIYYDAQDAFEWWAMGSC	2427.6	3.37	4	0	13980	34.5
SDTDPMDGNQEVNFIAFGSC	2147.2	3.37	4	0	0	39
VSVPNEDDDWAQAAGYMGSC	2115.2	3.37	4	0	6990	44
YFWLDVNYDEWTAVVDQGSC	2410.6	3.37	4	0	13980	68
ALEQYMDAVDGIWALDNGSC	2171.3	3.37	4	0	6990	88
WSNDIDYNEIYLGSSYGSC	2301.3	3.37	4	0	9970	58.5
ANDTWWAFYDEPSATEEGSC	2279.3	3.39	5	0	12490	15
DENTWNAAVELSEDIQSGSC	2168.2	3.39	5	0	5500	63.5
DYAWWWGMEELMQWEDTGSC	2523.7	3.39	5	0	23490	24.5
EDNVEDAQYGLETSTIGSC	2178.2	3.39	5	0	1490	58.5
GGEMDIQAQAEEMQFDMGSC	2177.3	3.39	5	0	0	29.5
DQMTYTINIVEGWEPEDGSC	2287.4	3.39	5	0	6990	53.5
DWYGDDPANGQWVVMWVGSC	2285.4	3.42	3	0	17990	48.5
FGFDFGLWIIPDAIAMGSC	2175.5	3.42	3	0	5500	88
GWNAAWNDMQPDDLSVAGSC	2137.2	3.42	3	0	11000	49
PYISDFDQSLPDWYMMGSC	2368.6	3.42	3	0	8480	58.5
SAYQFYDAILAATDDLSGSC	2111.2	3.42	3	0	2980	78.5
VDMDQIGGGDPIQFMPPGSC	2064.3	3.42	3	0	0	53.5
AIDQQDNLGWPTNDMISGSC	2165.3	3.42	3	0	5500	63.5
DYNPFDGVAYFDYQVSIQSC	2260.4	3.42	3	0	4470	53.5
AAEWTFADWDTEIPTGGSC	2204.3	3.43	4	0	11000	34.5
DEGMNYDGETLWPMYQWGSC	2382.5	3.43	4	0	13980	19.5
DESQPMDEQPYYYQAYIGSC	2323.4	3.43	4	0	4470	39
DQTETNYAIVIDQEFNMGSC	2278.4	3.43	4	0	1490	58.5
EDNQYMSGLIDMIEFAAGSC	2194.4	3.43	4	0	1490	68.5
EITFDDALPFGPAESAIGSC	2040.2	3.43	4	0	0	73.5
ELFSQDYPWTEDLGVASGSC	2204.3	3.43	4	0	6990	58.5
ENDGMDWANERYWLPWYNGSC	2450.5	3.43	4	0	19480	24.5
EWDTIQLSLNAQNNTEDGSC	2238.3	3.43	4	0	5500	63.5
FESVEDNQDLYPFWNIIGSC	2376.5	3.43	4	0	6990	73
IQNWEWMNSMEDMVMDQGSC	2434.7	3.43	4	0	11000	34
NWAEDTELDVANALFQGSC	2154.2	3.43	4	0	5500	73.5
QSQYDQSNESESNSYTDGSC	2229.1	3.43	4	0	2980	0
TGWDEAQAVLWPDLPFEGSC	2221.4	3.43	4	0	11000	63.5

TWVMEDNEASNSGPGDMGSC	2087.1	3.43	4	0	5500	19.5
VLLGEPIVDNYDMLVQEGSC	2194.5	3.43	4	0	1490	121.5
VLSDSPTMNELEWDGMVGSC	2170.4	3.43	4	0	5500	68
VPEYTDSDSANTIVPEVGSC	2097.2	3.43	4	0	1490	68
VPMELFDEAFNGADQNPGSC	2141.3	3.43	4	0	0	44
YGIAEIDGAILAEDNLGSC	2037.2	3.43	4	0	1490	132
YSDPGQPWMPVEFIEDIGSC	2270.5	3.43	4	0	6990	53.5
DIEVFADLVQSEYLTGGSC	2159.3	3.43	4	0	1490	112
TEDNDYMVVSMVVTMEPGSC	2207.4	3.43	4	0	1490	58
VEMSWVEGGFDSFMQDLGSC	2224.4	3.43	4	0	5500	48.5
WTWESININTDPYEIQDGSC	2371.5	3.43	4	0	12490	58.5
YGSDEIDAQASPYFLGEGSC	2109.2	3.43	4	0	2980	49
DVGEGFINAEPEMIPLEGSC	2107.3	3.45	5	0	0	78
EIEMSEWLTTQESTDINGSC	2273.4	3.45	5	0	5500	58.5
GEVSMENIYDFVEIEYGSC	2283.5	3.45	5	0	2980	82.5
TYWEDETAYLEGMYELFGSC	2407.6	3.45	5	0	9970	44
YDIYEPFVITEEFVTEPGSC	2338.5	3.45	5	0	2980	68
ALEIEFWFDEPNMEPPQGSC	2339.5	3.45	5	0	5500	44
DDPESWIWFANWVFSIWGSC	2445.6	3.49	3	0	22000	58.5
DGDPTAITNWWWETGNWGSC	2296.4	3.49	3	0	22000	24.5
DSWEYVDYAVGVTIAMGSC	2167.3	3.49	3	0	8480	73
DTNEIWYAWIGDMFMGLGSC	2309.6	3.49	3	0	12490	63.5
EFSNPTAQVFPDFWMSDGSC	2265.4	3.49	3	0	5500	19.5
EMVDSMTLDASYPQNVLGSC	2160.4	3.49	3	0	1490	73
GDPFMPNWSFLENDMWGSC	2346.6	3.49	3	0	11000	39
GYNYWIVEWDQDQWLMNGSC	2507.7	3.49	3	0	19480	53.5
IGFVFLQQENDQAYPDSGSC	2218.3	3.49	3	0	1490	58.5
IQGGAVIDAPTFEDTFQGSC	2056.2	3.49	3	0	0	63.5
LIEQVTLVVLSDMNDFGSC	2170.4	3.49	3	0	0	121.5
LPSMFSYDMQVAEAINDGSC	2178.4	3.49	3	0	1490	63.5
MDLAVDSLEPPILILNNGSC	2114.4	3.49	3	0	0	136.5
MYFWDVPALPWESIFNDGSC	2377.6	3.49	3	0	12490	58.5
NNFNLSQGVTDQMDFLGSC	2219.3	3.49	3	0	0	53.5
PWEQPTDGYVWGPDWPIGSC	2290.4	3.49	3	0	17990	34
SAEAWWYLDNMMDAQIFGSC	2338.6	3.49	3	0	12490	54
SDPYAQDNEQQLFVFGIGSC	2218.3	3.49	3	0	1490	58.5
SYAVTGPDADDEVGMNGSGSC	1917	3.49	3	0	1490	39
TLWASFFNMLSEFWGDDGSC	2313.5	3.49	3	0	11000	44
TPAMMIFMEAIDWIDMMGSC	2293.7	3.49	3	0	5500	68.5
VDMAVDYTIINYIEGIQGSC	2204.4	3.49	3	0	2980	112
VLMSMADSDANGIEPSGGSC	1941.1	3.49	3	0	0	63.5
VPQFPQPSSLFDDMIIEGSC	2210.5	3.49	3	0	0	73
VVANADVWSEDWGAGSNGSC	2024.1	3.49	3	0	11000	58.5
VYTMIENTGTGIDPLNVGSC	2098.3	3.49	3	0	1490	87.5
ELANYNGWAPDYDTGAFGSC	2151.2	3.49	3	0	8480	34.5
EWSFFWANFNNSDDYWTGSC	2476.5	3.49	3	0	17990	5
FGNNYPYIDTDGSTGLEGSC	2110.1	3.49	3	0	2980	39
GFTILMEWNIDLYDFSGSC	2312.5	3.49	3	0	6990	78
IIVAIEPYMFDAGGQFDGSC	2133.4	3.49	3	0	1490	83
IQDTFNFELWQNLADFGSC	2347.5	3.49	3	0	5500	78
MFIFVEQPNADMPQDWWGSC	2401.7	3.49	3	0	11000	39
PIDEISTLQQAFFFYDGSC	2252.4	3.49	3	0	1490	68.5

PISWFEFSILYIDGMDTGSC	2281.5	3.49	3	0	6990	78
SDVQSQDEQYQFWGQYAGSC	2326.3	3.49	3	0	8480	19.5
SMIEFPVPDTILNDPYGGSC	2155.4	3.49	3	0	1490	73
SSVQDEMQQDLWPYLGQGSC	2271.4	3.49	3	0	6990	53.5
VLAFNLSALDEVPQDNWPGSC	2162.3	3.49	3	0	5500	78
EVGTEYELGFYDGYVYYGSC	2314.4	3.5	4	0	7450	48.5
LSEVSTPVDEWYVGIYEGSC	2233.4	3.5	4	0	8480	82.5
MEPNGENDVQEIFIGAYGSC	2173.3	3.5	4	0	1490	58.5
NEDQMTYQFFEATEYGWGSC	2406.5	3.5	4	0	8480	5
PMWLEPETPEMNTDPATGSC	2206.4	3.5	4	0	5500	24.5
PTPTFQPAEFQMEIVDEGSC	2226.4	3.5	4	0	0	39
QGWENVMSLAPVDEWYGSC	2300.5	3.5	4	0	12490	53.5
VEDSNYEATVTWVFETTGSC	2238.3	3.5	4	0	6990	48.5
YWEDVPALESMVNEWGQGSC	2300.5	3.5	4	0	12490	53.5
ADEIIPTPAYPNAIEMGSC	2121.3	3.5	4	0	1490	73.5
ATEEVPVDSVQGEQMQQGSC	2122.2	3.5	4	0	0	48.5
SQFYEMESDYQMANPQEGSC	2344.4	3.5	4	0	2980	5
TDESEWSNEVMAAFMTQGSC	2223.3	3.5	4	0	5500	24.5
TWPETAEEVTWTDLQILGSC	2279.5	3.5	4	0	11000	78
LDQDWTDSSENDHDPENGSC	2306.2	3.54	8	0	5500	19.5
DDPGNWMIIYVFPGLMQGSC	2277.6	3.56	2	0	6990	53.5
DLWTNGWDSPNIVSVISGSC	2150.3	3.56	2	0	11000	87.5
FWYVDYMLNSTPMVGMGSC	2316.6	3.56	2	0	8480	48.5
GLIYDNWDSYYSMSQPFQSC	2333.5	3.56	2	0	9970	39
GYMDVQDQGWYMSFGLQGSC	2307.5	3.56	2	0	9970	34
IDDNFWSPNNVMLTVMYGSC	2306.6	3.56	2	0	6990	68
IIPFNAFDAIDTNNYVNGSC	2188.4	3.56	2	0	1490	83
ISGTNDQSSPWVTVDIWGSC	2152.3	3.56	2	0	11000	68
LTNTPVLLPDWIDNYWTGSC	2308.5	3.56	2	0	12490	92.5
LWIPTYPFANTFLNDNDGSC	2288.5	3.56	2	0	6990	63.5
MVPQSTVTDTAGTDIQPGSC	2008.2	3.56	2	0	0	53.5
NPDSSPPSVMVADVNGTGSC	1934	3.56	2	0	0	48.5
NPFYIYDFTFPDWTWWTNGSC	2474.6	3.56	2	0	13980	19.5
NPPWLQWGPAPWIPFVDDGSC	2285.5	3.56	2	0	16500	58.5
NYGYDQYVSDQVGPNTNGSC	2181.2	3.56	2	0	4470	29
PFVDQTDGVIAFWNSPWGSC	2226.4	3.56	2	0	11000	53.5
QSADVPGSWSGFDQNVGTGSC	2042.1	3.56	2	0	5500	34
SAAQVMQFDYNTIDMMWGSC	2298.6	3.56	2	0	6990	44
SFYNVQNNMLIIFFDGSC	2340.6	3.56	2	0	1490	92.5
SGWDGQWMFVQGMVIDFGSC	2250.5	3.56	2	0	11000	48.5
SQAWPTPFIMDFLDGLLGSC	2198.5	3.56	2	0	5500	83
TIIVMVALDDFFWMFMNGSC	2340.8	3.56	2	0	5500	92.5
TTGNLFDMSVTWWIYDFGSC	2343.6	3.56	2	0	12490	53.5
VLALQTFDTVITDWWTQGSC	2284.5	3.56	2	0	11000	92.5
VVGDPFQVWVWQATDNGSC	2167.3	3.56	2	0	11000	48.5
WPAMAQPDGTWGVNWMDGSC	2209.4	3.56	2	0	16500	24.5
YAAMQYDVDNSMMWLSWGSC	2358.6	3.56	2	0	13980	44
YWIVAGATDAWASIMDFGSC	2164.4	3.56	2	0	12490	73.5
DWGWPIAWYQGAWWIDNGSC	2411.6	3.56	2	0	28990	49
FDSIDTYLSYQQGMSLYGSC	2278.4	3.56	2	0	4470	58.5
FFMFDGAFWISATISTDGSC	2203.4	3.56	2	0	5500	49
IQIQDGFPGPVYQGQFDMGSC	2159.4	3.56	2	0	1490	53.5

LGLLYLMPQPYSDATDGSC	2101.3	3.56	2	0	2980	83
MYFFPDTGGQPDGSMWNGSC	2213.4	3.56	2	0	8480	0
PGIDNLSTPFSYMYVFDGSC	2213.4	3.56	2	0	2980	53.5
PITDSNYLPLAYIWAIGSC	2212.5	3.56	2	0	8480	107.5
QMYQGTGDDTNLQFMGSC	2211.3	3.56	2	0	1490	19.5
QSGIMQQDTLNDNSLGWGSC	2154.3	3.56	2	0	5500	58.5
TDNTWSMYDPPSNWNWNGSC	2375.4	3.56	2	0	17990	0
WPLGDDIFWLPLAMVFGSC	2330.7	3.56	2	0	12490	97.5
YFTNYDQVNYMGTFWPDGSC	2408.6	3.56	2	0	9970	14.5
AEGWQDNLFQGYENVNTGSC	2232.3	3.57	3	0	6990	39
AGSLWYAWLTGMEVYDEGSC	2238.4	3.57	3	0	13980	63.5
ANNQMTIWQLIWDEEFFGSC	2432.7	3.57	3	0	11000	63.5
APAFFGAVEQQEYGFQDGSC	2151.2	3.57	3	0	1490	29.5
ASPINMAVEVEVANWPDGSC	2089.3	3.57	3	0	5500	78
DASYVFFSYIAAEQIEGSC	2263.4	3.57	3	0	4470	68.5
DEFILSMIYGLYQEYGYGSC	2351.6	3.57	3	0	5960	78
DEYYPATNLGAQENLFVGSC	2191.3	3.57	3	0	2980	63.5
DNFYAYEENPNVTTMIQGSC	2279.4	3.57	3	0	2980	39
DQDESNSDSTENTHDDQGSC	2184	3.57	7	0	0	0
EFDVWMVQPIYLETPFTGSC	2362.7	3.57	3	0	6990	68
ELWIMEDGWAGWLYNVGSC	2415.7	3.57	3	0	23490	78
EQEQPANTFFNWADYMWGSC	2424.6	3.57	3	0	12490	10
ESAGLQLWNVGDQMPEYGSC	2184.3	3.57	3	0	6990	58.5
FPFVIIFDENMSTTTQEGSC	2266.5	3.57	3	0	0	53.5
FVGWIQDEEFYVIMQSTGSC	2339.6	3.57	3	0	6990	68
FWQAWWGVMLGEDTGVEGSC	2258.5	3.57	3	0	16500	53.5
FYVNGQWADVEPESQWSGSC	2289.4	3.57	3	0	12490	34
GIESYESSQFWNPDTNNGSC	2235.2	3.57	3	0	6990	19.5
GIGWLSMTEEWSQWSDIGSC	2272.4	3.57	3	0	16500	58.5
GWQENLIFVPDPQEMFFGSC	2344.6	3.57	3	0	5500	53.5
IFYEFAEIGMGDFASSMGSC	2162.4	3.57	3	0	1490	49
MIDNMEWWQALEWGQNMGSC	2429.7	3.57	3	0	16500	44
NEWTTFYQNMIDEIAVLGSC	2334.6	3.57	3	0	6990	78
NQYVPIFSQPEDPVQQEGSC	2265.4	3.57	3	0	1490	48.5
PEGIQAMDPGQPEVGLTGSC	1986.2	3.57	3	0	0	58.5
PENETYYTNMWVDPWATGSC	2364.5	3.57	3	0	13980	19.5
PEPQWIPYEQLGDNLTSGSC	2234.4	3.57	3	0	6990	58.5
PNLWEFWMTIQEPNFPDGSC	2411.6	3.57	3	0	11000	39
QFWDINPQPFEFTWEYGGSC	2451.6	3.57	3	0	12490	19.5
QGLQGYENMGLDFQWMEGSC	2293.5	3.57	3	0	6990	39
QTEFMGLAFDMWWWVSGSC	2323.6	3.57	3	0	11000	53.5
QWEPAENWWWIYSALSDGSC	2428.6	3.57	3	0	23490	49
SLITMGSDENMFEYAIGSC	2196.4	3.57	3	0	1490	63.5
SNGLQDAAESQFIYESPGSC	2103.2	3.57	3	0	1490	49
SPYSEFLTNTWWWENVVDGSC	2334.5	3.57	3	0	12490	48.5
SVTWLEMNQPLYLEQDAGSC	2284.5	3.57	3	0	6990	78
TTYWENDPNEYGALPGQGSC	2202.2	3.57	3	0	8480	24.5
TVNTEDNSMALANEFYYGSC	2229.3	3.57	3	0	2980	44
TVTWMNEYAPGYADEYSGSC	2244.3	3.57	3	0	9970	24.5
VAELMNQMNPIVDFLLEGSC	2223.6	3.57	3	0	0	112
VEGFDTQIMVYALIAEPGSC	2143.4	3.57	3	0	1490	97.5
VSAMMQGMTNEETIIPDGSC	2114.4	3.57	3	0	0	58.5

VYSDAIFSSNEQASWEGGSC	2137.2	3.57	3	0	6990	44
WSPTIYSGDFIYEGSIEGSC	2211.3	3.57	3	0	8480	58.5
WTIWSMGMMQEANPDENGSC	2287.5	3.57	3	0	11000	24.5
YPAYQYEQEVQQLDTGVGSC	2278.4	3.57	3	0	4470	53.5
YSSFEDTAQWAAWSYESGSC	2275.3	3.57	3	0	13980	15
AFEQETIADFTIFWPGAGSC	2190.4	3.57	3	0	5500	54
AWEDASWAVNWNMENQYGSC	2361.5	3.57	3	0	17990	29.5
IFMVQMMQEMQWFEFDGGSC	2444.8	3.57	3	0	5500	34
LIIDTELELLQPMSVFGSC	2271.6	3.57	3	0	1490	131.5
LNLENFETAPAWVAGTDGSC	2095.2	3.57	3	0	5500	68.5
NFEESYLIFWDVVTWFTGSC	2443.7	3.57	3	0	12490	68
PQIQIDNLSMEYIETNGGSC	2212.4	3.57	3	0	1490	78
QDIEWLMIVFANSEGANGSC	2184.4	3.57	3	0	5500	83
QPSIEAYFDAWLEIVTMGSC	2260.5	3.57	3	0	6990	83
SLLTVIIQEQNWVDTEGSC	2236.4	3.57	3	0	5500	107
TWAGVENMSMLDMEGSWGSC	2191.4	3.57	3	0	11000	39
TWMELQGYGFYTEFMDNGSC	2379.6	3.57	3	0	8480	19.5
VGYYMATEDAEPNIYVNGSC	2132.3	3.57	3	0	2980	73
SQMSMIYEVIVEELLELGSC	2273.6	3.58	4	0	1490	126.5
WSAWEQEQMLEEPVNSFGSC	2357.5	3.58	4	0	11000	39
EVEMEQLWYWAITEFGGSC	2406.6	3.58	4	0	12490	58.5
YDSPDENGMMGDTMDHDGSC	2177.2	3.61	6	0	1490	0
DLETEDIDIVSGEDVRAGSC	2123.2	3.62	7	1	0	92.5
DGSNDKELDTSWNTYEDGSC	2236.2	3.66	6	1	6990	19.5
EGNQDMEEDDPAHETPNGSC	2175.1	3.66	7	0	0	5
EHYEEQDDDDHDQSDDSGSC	2326.1	3.66	10	0	1490	0
GLDQNRFDWMYEFDDQGSC	2455.5	3.66	6	1	6990	19.5
PDKQDDANQSQNVVDVYGSC	2198.2	3.66	5	1	1490	34
PSADFDIDYRDAVQDTMGSC	2206.3	3.66	5	1	1490	44
TARDWDPDNVDNQSADAGSC	2137.1	3.66	5	1	5500	29.5
LPDQGRDGLEMDSEPPGSC	2118.2	3.66	6	1	0	39
VLDGFADIGDDINDGYRGSC	2102.2	3.66	5	1	1490	78
AAIETIQVAFLVLAMQDGSC	2080.4	3.67	2	0	0	127
AALLATEAGSLAVDLAVGSC	1832.1	3.67	2	0	0	137
AITTSFWIYGEWWWDGSC	2495.7	3.67	2	0	28990	44
AIWDIFQMMELVMPNNPGSC	2296.7	3.67	2	0	5500	78
AMQGDNVQPELILAPWGGSC	2086.3	3.67	2	0	5500	83
ANGIGFLVNQFNSDWMEGSC	2189.4	3.67	2	0	5500	58.5
APDYQTVGAWISAGESGGSC	1956	3.67	2	0	6990	49
AQEIWGFTGYTAMDSQIGSC	2165.3	3.67	2	0	6990	49
AQGMLPYWQVTPFDIIGSC	2255.5	3.67	2	0	6990	78
ASILWFEVANDIQIALAGSC	2121.4	3.67	2	0	5500	132
DGYWGEIIVTYTPWVMVGSC	2276.6	3.67	2	0	13980	82.5
DMEMPGPTNTFFWNSATGSC	2193.4	3.67	2	0	5500	5
DNGNVPYEPILIVLTYLGSC	2180.5	3.67	2	0	2980	126.5
EITAAISWSYSMYVTPDGSC	2181.4	3.67	2	0	8480	63.5
EQNWVSAMVLDWTQLLAGSC	2251.5	3.67	2	0	11000	97.5
ETAVMIITMNDWWFPNGGSC	2272.5	3.67	2	0	11000	58.5
ETPLTYDIPMGVAGTLLGSC	2038.3	3.67	2	0	1490	97.5
EWFLDNWYWPGGSSLVAGSC	2274.4	3.67	2	0	17990	58.5
EWSWPDANFWLFWVSMWGSC	2534.8	3.67	2	0	27500	39
FNPEYFDPSTWWAQLGMGSC	2336.5	3.67	2	0	12490	24.5

FNTSWLMNFNADMEAQSGSC	2253.4	3.67	2	0	5500	29.5
FQIGTPGEEWIWIASYEGSC	2273.5	3.67	3	0	12490	63.5
FTVLNYYTNDEVGSQNGGSC	2168.2	3.67	2	0	2980	48.5
GALPFSMSSEDSSIPLMWGSC	2115.4	3.67	2	0	5500	63.5
GDISYQEGASMYAVGAWGSC	2052.2	3.67	2	0	8480	49
GFGEDASTLANLGPQFGGSC	1928	3.67	2	0	0	49
GIIFPQIGTTEFADGPGGSC	1967.1	3.67	2	0	0	63.5
GMQLVQSQEQAQAFQLDTGSC	2141.3	3.67	2	0	0	63.5
GYSWQQYGYNVEDMMFIGSC	2378.6	3.67	2	0	9970	34
IDMTLAIMEFNNAVAMAVGSC	2130.5	3.67	2	0	0	102.5
IETPTLLTDQYQVMQSGSC	2215.4	3.67	2	0	1490	73
IIDGGNPEMGFYNSPMTGSC	2090.3	3.67	2	0	1490	39
IIVPYQTFLYWGLSEDMGSC	2322.6	3.67	2	0	8480	92.5
ILTMTTIEIIVQQPEENGSC	2219.5	3.67	3	0	0	112
INQWNLPNIMLESAGDGSC	2149.3	3.67	2	0	5500	83
ISFFDENFFYYGWANAMGSC	2369.6	3.67	2	0	8480	29.5
IWLGMQMFPIWLDFTLGSC	2387.8	3.67	2	0	11000	97.5
LPEVGEITYIFITVLEYGSC	2246.6	3.67	3	0	2980	126.5
LVDAGYSFMMGESTWVGGSC	2097.3	3.67	2	0	6990	53.5
MDLILNMETAATSAWQMGSC	2173.5	3.67	2	0	5500	73.5
MEIPFESGNMGIWETFWGSC	2321.6	3.67	3	0	11000	39
MFDYSPWWEMYSGVLPGSC	2418.7	3.67	2	0	15470	34
MGPPPQWFYEANDNNVNGSC	2240.4	3.67	2	0	6990	19.5
MIYEMEVYFEMTAMIISGSC	2348.8	3.67	3	0	2980	78
MLPMQWIYWMPDGPMSGSC	2359.7	3.67	2	0	12490	39
MVDFPEWYWNLTWSAWSGSC	2465.7	3.67	2	0	23490	39
MVELDTIVLYLQLNPWQGSC	2322.7	3.67	2	0	6990	126.5
NAWASNTWAETLMQLDFGSC	2245.4	3.67	2	0	11000	54
NIYQTAMEISDFGYVTSGSC	2186.3	3.67	2	0	2980	58.5
NVQANAAVSSPMEFSDVGSC	2013.1	3.67	2	0	0	58.5
PDNYTAEFQMAMQYIMGGSC	2257.5	3.67	2	0	2980	29.5
PSSEALYYNDYVIQYGGSC	2292.4	3.67	2	0	7450	58.5
QENDQQSFGLGGMMGQAGSC	2045.2	3.67	2	0	0	24.5
QQWWPNETYNMWPDLTAGSC	2427.6	3.67	2	0	17990	24.5
QWPTETQWNWQLLVDVSGSC	2377.6	3.67	2	0	16500	68
SIIMATMEFYVEMEYIMGSC	2348.8	3.67	3	0	2980	78
SMYYPEQMAVPWDIAWIGSC	2347.7	3.67	2	0	13980	63.5
SNLGEYPIFYDVMVQYAGSC	2256.5	3.67	2	0	4470	73
SPAAETGSSIDGFFFWVGSC	2065.2	3.67	2	0	5500	44
SPTNDQWEATAYQYGFQGSC	2253.3	3.67	2	0	8480	10
SQNTNITQYDMQPFNPEGSC	2274.4	3.67	2	0	1490	19.5
TATLNTTLEWDYGPWGNGSC	2186.3	3.67	2	0	12490	44
TINLSPFDYWIPGATEPGSC	2168.4	3.67	2	0	6990	63.5
TIVWDMAVEVQLWQWGSWSC	2295.6	3.67	2	0	16500	87.5
TLNFIFVILFETPFFFDGSC	2357.7	3.67	2	0	0	92.5
VDIMLAIVTTPNSVYETGSC	2113.4	3.67	2	0	1490	107
VFEIQPPMFEГИENMYGSC	2304.6	3.67	3	0	1490	73
VPQELFWAWAIDPAQSIGSC	2218.5	3.67	2	0	11000	88
WFPIETSTQQEIIYYSEAGSC	2339.5	3.67	3	0	8480	44
WNEYQIQSYDPAMYYWIGSC	2517.7	3.67	2	0	16960	44
WPDFEWFGLPIFTYQPGGSC	2347.6	3.67	2	0	12490	39
WVNDAGQEWWMGNMAFVGSC	2288.5	3.67	2	0	16500	39

YFVNGENAAYTSLDTVGGSC	2068.2	3.67	2	0	2980	58.5
YISMEYNPMTLTSSLSDGSC	2199.4	3.67	2	0	2980	58.5
YMVDVEFQVYGALLTANGSC	2180.4	3.67	2	0	2980	92.5
YNQFQYFEAPYDPQNWGGSC	2414.5	3.67	2	0	9970	5
YNQIYTFDITGTMLEGQGSC	2241.4	3.67	2	0	2980	58.5
YYVYLMMSGEYTEGETNSGSC	2253.3	3.67	3	0	5960	34
DLTSQNPTFMYTSEGSIGSC	2138.3	3.67	2	0	1490	39
DTATMWVVAMTYNEATVGSC	2150.4	3.67	2	0	6990	58.5
ETENQIAEIIAFVYPNFGSC	2245.4	3.67	3	0	1490	83
FYVEFQGDQVAGSQFGVGSC	2125.3	3.67	2	0	1490	48.5
IELETPEWGGQQTFTWVGSC	2332.5	3.67	3	0	12490	39
IWVNTAEAVGTDNTTYYGSC	2165.3	3.67	2	0	8480	58.5
LGTQSQQDGTAMTVMLGSC	2057.2	3.67	2	0	0	58.5
MNIPYSDSENGAVIPMAGSC	2056.3	3.67	2	0	1490	63.5
MNLWDYSEYTIWPGWPGSC	2468.7	3.67	2	0	20970	39
NNDVSMISNWEQYYASWGSC	2354.5	3.67	2	0	13980	39
PDTFMSITPELSILWVGSC	2209.6	3.67	2	0	5500	112
PTSESVITFIVTDSFNTGSC	2105.3	3.67	2	0	0	68
QELQVQVMMGEIVEIGWGSC	2236.6	3.67	3	0	5500	102
QYILAVMMMDQQAEPGGSC	2200.5	3.67	2	0	1490	63.5
QYIPGYWEQEEAFQSNGGSC	2293.4	3.67	3	0	8480	24.5
SEANDGTQMTFIVGQFMGSC	2123.3	3.67	2	0	0	39
SFLASEAQFWNDGMVPGSC	2232.4	3.67	2	0	11000	44
SVMSYADSWTGAYETLWGSC	2214.4	3.67	2	0	13980	44
SYMNYMIQDSTMFWSWTEGSC	2381.6	3.67	2	0	8480	19.5
TFIEDMTVNQWPQFIGWGSC	2359.6	3.67	2	0	11000	53.5
VGFQMSTIAIETVTDGGSC	1987.2	3.67	2	0	0	78
VVPSLNSSADFEWTNGLGSC	2083.2	3.67	2	0	5500	73
WAELNNFFWNMQEILQEGSC	2459.7	3.67	3	0	11000	63.5
AAPDITGEDDLQKDVQLGSC	2075.2	3.71	5	1	0	83
ADNGKGDDINEMWPWQDGSC	2238.3	3.71	5	1	11000	24.5
ALFDATLDQWNAHDTDEGSC	2209.2	3.71	5	0	5500	54
AWQDETGDEDEGLAWWHGSC	2292.3	3.71	6	0	16500	29.5
DDEMDVITMNYPLIHWDGSC	2354.6	3.71	5	0	6990	73
DEGLEVETIGKIDDPAFGSC	2095.2	3.71	6	1	0	78
DEMTMIDDEHQELWLNMGSC	2397.6	3.71	6	0	5500	58.5
DRTQWEWDIWWIMDDFVGSC	2501.7	3.71	5	1	16500	68
EDVFFSKIEDGDTEYYFGSC	2351.4	3.71	6	1	2980	34
LNDDDSKYEGSITIDMWGSC	2249.4	3.71	5	1	6990	58.5
PPEEIPADYMVEDNFKDGSC	2256.4	3.71	6	1	1490	39
QEDPTKEELTDTIWQIDGSC	2308.4	3.71	6	1	5500	58.5
VEWDMPSPSPSDEVENHMGSC	2264.3	3.71	6	0	5500	29
VWTEQAVDFDMDETRVEGSC	2317.4	3.71	6	1	5500	48.5
APVHNWSDYSADQDSDEGSC	2183.1	3.71	5	0	6990	24.5
GVRTPDTDYDYFYPVEDGSC	2299.4	3.71	5	1	4470	29
PNQPITAEFFVIDKDDDGSC	2211.3	3.71	5	1	0	58.5
TDYTWKDLTSEFDWLSGSC	2369.5	3.71	5	1	12490	39
TSVSFDMEEVDMATDHEGSC	2190.3	3.71	6	0	0	34
AEDMKSDWDVVFVMEIMQGSC	2321.6	3.77	5	1	5500	53.5
AGDDNQFMHYLWDEFLEGSC	2377.5	3.77	5	0	6990	44
APPQDAMPKDNNGDDTQSGSC	2034.1	3.77	4	1	0	10
DDIIGWLYKQEDIQELLGSC	2338.6	3.77	5	1	6990	117

DITVPVAQIEVEQDKDAGSC	2117.3	3.77	5	1	0	92.5
EIMRTYFEDENFEQDISGSC	2413.5	3.77	6	1	1490	39
IADQMDIDHEENGVFNIGSC	2207.3	3.77	5	0	0	78
LGLVTQDWDGTISDDRNGSC	2152.2	3.77	4	1	5500	73
LVTDETISYFRDQDAEIGSC	2262.4	3.77	5	1	1490	78
NTEDYVTPYMRVWDEVGSC	2379.5	3.77	5	1	8480	43.5
QMNWMTSRDMDDDMINGGSC	2307.5	3.77	4	1	5500	19.5
RLDWAIDIAEVMWDQEAGSC	2308.5	3.77	5	1	11000	88
TDSEEYSGHDYLDYAFIGSC	2272.3	3.77	5	0	4470	44
TEKEVQDQWMDDYFQSVGSC	2395.5	3.77	5	1	6990	29
VAWDYFKGEAQQDDMEWGSC	2365.5	3.77	5	1	12490	24.5
VSQFYDDMWQDQVEKETGSC	2395.5	3.77	5	1	6990	29
WSDGVFNLLDEQHEPQDGSC	2276.3	3.77	5	0	5500	53.5
TLDQDVDAQQTRVPSEEGSC	2178.2	3.77	5	1	0	53.5
YETELDNRETTVEVWDMGSC	2377.5	3.77	6	1	6990	48.5
ASAFWWTGMWIEYPENQGSC	2363.6	3.79	2	0	17990	29.5
AYWGVGENMEIQLSWATGSC	2202.4	3.79	2	0	12490	63.5
FGLITWFEYSLAESLAPGSC	2191.4	3.79	2	0	6990	88
FVIENNASNLPVQSSLEGSC	2108.3	3.79	2	0	0	92.5
GESFYSYPYSEQVNFSYGSC	2314.4	3.79	2	0	5960	14.5
GPEMLTGPPTVIVEVLGSC	1986.3	3.79	2	0	0	102
GVFQSMYGNNGNQEESVYGSC	2156.2	3.79	2	0	2980	29
LEIGQAITETQTIVFSGGSC	2054.3	3.79	2	0	0	97.5
NMFVEAWQQGANYIESWGSC	2320.5	3.79	2	0	12490	44
NQVVVMFGEIFVQLMQEGSC	2258.6	3.79	2	0	0	97
QNYIEWFLMNYNVGSLEGSC	2417.6	3.79	2	0	9970	53.5
SEQGGENLSIQTGTTTVGSC	1969	3.79	2	0	0	53.5
STFQQFEVWMAIEIANFGSC	2308.6	3.79	2	0	5500	63.5
SWITEYTMWFGMPEGWGSC	2355.6	3.79	2	0	17990	19.5
TESFPGIWEWPLQWIFNGSC	2397.6	3.79	2	0	16500	58.5
TIEMYQEGPQVQQQLITGSC	2253.5	3.79	2	0	1490	73
TMIQQYFFTFAGESQQGSC	2302.5	3.79	2	0	1490	24.5
TMPNYPTEESVPQLAMSGSC	2142.4	3.79	2	0	1490	39
TVENENMQAFVGGQGITGSC	2056.2	3.79	2	0	0	58.5
WMWTAPLFYGGTENLEAGSC	2233.5	3.79	2	0	12490	49
YEPLLATQGEAGWIAWIGSC	2165.4	3.79	2	0	12490	93
YPLWVLEVFAELLYPAGGSC	2227.6	3.79	2	0	8480	117
FGEMIWNEFASIPSVTGGSC	2132.3	3.79	2	0	5500	58.5
FGFYLYFNEPSEGLATGSC	2201.4	3.79	2	0	2980	58.5
IVPLSEVAQAAQWNEANGSC	2087.2	3.79	2	0	5500	88
LGTEYEYIVPQMNFLPFGSC	2308.6	3.79	2	0	2980	73
SYMEMASPLSELITIFQGSC	2207.5	3.79	2	0	1490	83
TWNEITEPIPQTVSGNMGSC	2164.3	3.79	2	0	5500	53.5
WLYGMMEEIAMLIMAQFGSC	2324.8	3.79	2	0	6990	88
ADFMYGWMQGPIQVNGGGSC	2118.3	3.8	1	0	6990	39
AGYAYWYSPSPWSMPLDGSC	2238.4	3.8	1	0	15470	29.5
APTNTPMYDAIVIATWWGSC	2197.5	3.8	1	0	12490	68.5
ATLIWVYIMDQLPFQMNGSC	2330.7	3.8	1	0	6990	97.5
AVQNYSTIVWDFNGWFGSC	2357.5	3.8	1	0	13980	53.5
DGLFLAIPQLFYGAWVVGSC	2156.5	3.8	1	0	6990	117
DSFYWQQWGIVNSTGVPGSC	2231.4	3.8	1	0	12490	48.5
DVTLPTYTVSVSIVGWLGSC	2097.4	3.8	1	0	6990	116.5

EMQFYEWQSMGAYMMLVGSC	2391.7	3.8	2	0	8480	39
EPSLQVITEYNINFLTIGSC	2241.5	3.8	2	0	1490	112
ESPGVQPEVNYLAVNNQGSC	2105.2	3.8	2	0	1490	68
FFDLAFVIIIGPYGWVFGSC	2266.6	3.8	1	0	6990	92.5
FGDLGAVLGLQIGTTMNGSC	1954.2	3.8	1	0	0	97.5
FGYNWWLNGTMNSDPMTGSC	2281.5	3.8	1	0	12490	19.5
FSWSLWFNYYQPDFYWVGSC	2595.8	3.8	1	0	20970	34
GQAVTWTSTAGVMDWGYGSC	2077.2	3.8	1	0	12490	39
GSWWDSAQYAAQPMIMWGSC	2275.5	3.8	1	0	17990	34.5
IGFTGPDGNFIAINAPPGSC	1948.1	3.8	1	0	0	68.5
ISPYNMASYYPMPLLSDGSC	2209.5	3.8	1	0	4470	63.5
ITLIGILMYNPSTNLDAGSC	2096.4	3.8	1	0	1490	122
ITSDNSPATNITSGQFIGSC	2013.1	3.8	1	0	0	63.5
IWNYYWSWMVSWPYVDQGSC	2570.8	3.8	1	0	26470	48.5
LDYSYGQNWTYTYWWNGGSC	2464.6	3.8	1	0	22460	19.5
LFSWVDITINVGGSSINSGSC	2069.3	3.8	1	0	5500	107
LISFWFTYIVNVMFDIFGSC	2402.8	3.8	1	0	6990	107
LIWGTWWGQLTGQDMQWGSC	2353.6	3.8	1	0	22000	58.5
LSSTAVWGPAFDIVTATGSC	1983.2	3.8	1	0	5500	83
LTYSLPAPNMDYYWSILGSC	2294.6	3.8	1	0	9970	83
LVAGLIYWAVDSMIQYYGSC	2252.6	3.8	1	0	9970	117
MLAWTSIFTDIFPVGSAGSC	2103.4	3.8	1	0	5500	83
MPASPFYMINGDPNQISGSC	2129.4	3.8	1	0	1490	44
MTLDQTLLILYPNNPLPGSC	2203.6	3.8	1	0	1490	117
MVMYVWWWVASLGQGDGSC	2276.6	3.8	1	0	17990	68
MWLYYVSFDAWQWSQTAGSC	2429.7	3.8	1	0	19480	44
MYPMQTSAITGDPFVFGGSC	2109.4	3.8	1	0	1490	39
NFNFYGAQFTQTGGNYDGSC	2191.2	3.8	1	0	2980	5
NNGNYGFDALAYYYSFQGSC	2254.3	3.8	1	0	5960	29.5
NTQISMIMTQDTMFFFYGSC	2365.7	3.8	1	0	1490	39
NWNSNSDQSLSYLVASLGSC	2145.2	3.8	1	0	6990	78
PADWIYYSTINYFGQWYGSC	2434.6	3.8	1	0	16960	44
PENLENPPMFMYGAYTLGSC	2234.5	3.8	2	0	2980	44
PESGVPGILETYNGLAVGSC	1963.1	3.8	2	0	1490	92.5
PETQMQRVMMQTSIMFEPGSC	2330.6	3.8	2	0	5500	34
PGVPLSDLWGIQTFVMAGSC	2078.4	3.8	1	0	5500	92.5
PGWDPALSWTMLSMTGWGSC	2183.5	3.8	1	0	16500	44
PNTFANVNDFQGGMAWTGSC	2117.2	3.8	1	0	5500	24.5
PTEFETMIMYTWQAMYNGSC	2403.7	3.8	2	0	8480	24.5
PTLIDVQLLPSGVMTGAGSC	1959.3	3.8	1	0	0	112
PWAEVVYVSYVNMNNEAGSC	2232.4	3.8	2	0	8480	68
PWSPLFSSMINWPDWWMGSC	2427.7	3.8	1	0	22000	39
QFIMNSDSPTNTTAVQLGSC	2114.3	3.8	1	0	0	58.5
QFSQTNNTVGMMVADAIVGSC	2059.3	3.8	1	0	0	73
QGPQTYSDQNPTPSITPGSC	2078.1	3.8	1	0	1490	19.5
QLSFWLGADVVMQMVPIGSC	2181.6	3.8	1	0	5500	107
QWAWDGNISAQIVNAGTGSC	2078.2	3.8	1	0	11000	68.5
SDYMLWAGTWMGWGLNFGSC	2282.5	3.8	1	0	17990	44
SPMFSMFQDGYGFQGMGSC	2205.4	3.8	1	0	1490	0
TDIVMIFMWQIPVTFMAGSC	2290.8	3.8	1	0	5500	92.5
TMGFDQWQLTYTLWLNWGSC	2450.7	3.8	1	0	17990	58.5
TMSVQGIAMWIIWDSNNGSC	2213.5	3.8	1	0	11000	78

TSSMGPIWLGPITDVGGSC	1935.2	3.8	1	0	5500	73
TWSMGTSYVMQINDWNWGSC	2366.6	3.8	1	0	17990	34
VITTITQNGYQMFDQPGGSC	2160.4	3.8	1	0	1490	53.5
VPSDLGFPTGMQVNVYPGSC	2068.3	3.8	1	0	1490	63
VTIQFGPSGTMTDGMQYGSC	2080.3	3.8	1	0	1490	34
WFIWQQAQDNQINFGAWGSC	2399.6	3.8	1	0	16500	49
WQLSYYQTSVDWPPSYGGSC	2324.5	3.8	1	0	15470	34
WSWFGPWPIVFNVDQWVGSC	2382.6	3.8	1	0	22000	53.5
YQASLTSNNIQTQTYDYGSC	2257.3	3.8	1	0	4470	44
YVFFNLNAVIDPPQFNMGSC	2276.6	3.8	1	0	1490	73
YYVSNQQTANDFVLVFNGSC	2269.4	3.8	1	0	2980	68
ATIWPYMFPTDWPTPAGSC	2240.5	3.8	1	0	12490	44
AWSFGLMWLVLDWYIVGSC	2359.8	3.8	1	0	17990	131.5
DPVLPLMSPIAMTSQMSGSC	2065.4	3.8	1	0	0	78
DWSSQMGVNIVNNSSFMSGSC	2163.3	3.8	1	0	5500	48.5
EYEFNQAVQVYAWPQVAGSC	2289.5	3.8	2	0	8480	58.5
FNPFGTSDNSFSMTYTPGSC	2160.3	3.8	1	0	1490	0
FVNAFTLIGTWYDAISTGSC	2166.4	3.8	1	0	6990	83
GTVIMFGMMASYFVMDLGSC	2160.6	3.8	1	0	1490	73
LLYDFYSVLWLTVMNFAGSC	2342.7	3.8	1	0	8480	112
NQGSFWLDISTSVTNFNGSC	2177.3	3.8	1	0	5500	53.5
QSQYPNNIYADPWWAILGSC	2326.5	3.8	1	0	13980	68.5
SVLTAWYFWIDNFIIGGGSC	2249.5	3.8	1	0	12490	97.5
VVSQWLDAIQYTTGSPWVGSC	2198.4	3.8	1	0	12490	73
DEVEFTPGITWPYFDEHGSC	2329.4	3.83	5	0	6990	34
DLEEWMGEAAGADSRFPGSC	2128.2	3.83	5	1	5500	34.5
DSEVEDMENIAVQHVPQGSC	2187.3	3.83	5	0	0	68
EDGYFGEIVMVVYDHEPGSC	2246.4	3.83	5	0	2980	63
ETEEGTEELLKTNDNIGSC	2195.3	3.83	6	1	0	78
PLGFYGDNEEDKFGATEGSC	2136.2	3.83	5	1	1490	24.5
TEEEDGKYSQVMLEWVEGSC	2319.5	3.83	6	1	6990	48.5
TYWEIFDEFGRETPQDPGSC	2377.5	3.83	5	1	6990	19.5
YTFEVEAWDYSDEYGRVGSC	2376.4	3.83	5	1	9970	34
DTEGIEDGPKVEIFAYTGSC	2131.3	3.83	5	1	1490	58.5
GDVMLEESTLMIEIKDLGSC	2183.5	3.83	5	1	0	112
GEDEFRGEPPDYVQIQWGGSC	2272.3	3.83	5	1	6990	34
PDDPPENEINELTSSKTGSC	2133.2	3.83	5	1	0	39
ANAVDFVAQDDWQHWPEGSC	2275.3	3.84	4	0	11000	44
DDQVVLLMKQTPDEYQNGSC	2283.5	3.84	4	1	1490	68
DEYMGKDFDVNMQIQAMGSC	2282.5	3.84	4	1	1490	39
DKQLENDFVIDINAMPYGSC	2272.5	3.84	4	1	1490	78
DLGSMEPKLMDPMSMDTGSC	2145.4	3.84	4	1	0	39
DLGYIFESYQDHVIPVDGSC	2257.4	3.84	4	0	2980	87.5
DMGMQWDTDLRYIETWQGSC	2435.6	3.84	4	1	12490	39
DMQEVFHMMLSDQPGTDGSC	2228.4	3.84	4	0	0	34
DWTEDKYFSIFDTWANPGSC	2382.5	3.84	4	1	12490	24.5
HFFNDQMMDMSEQDLYAGSC	2369.6	3.84	4	0	1490	24.5
HPPWLSDFGVFDIDTEIGSC	2235.4	3.84	4	0	5500	73
IETDIDFVGFDLSLWPPHGSC	2235.4	3.84	4	0	5500	73
ILFDDWGKTVLDALENGSC	2243.5	3.84	4	1	5500	97.5
INWDAPVDLIENDNGHPGSC	2166.3	3.84	4	0	5500	78
KDSQVVIMFGEDAMNDIGSC	2159.4	3.84	4	1	0	73

KDVWYVGNWENDLYGDGGSC	2277.4	3.84	4	1	13980	48.5
LDDDVLRLVEYPWSMGFYGSC	2352.6	3.84	4	1	8480	68
LEAFNMDDAGDMNSKFQGSC	2180.3	3.84	4	1	0	29.5
LERDFVAYDWGPDNQQSGSC	2287.4	3.84	4	1	6990	39
LGAHMLFVDVYDNDIGEGSC	2155.3	3.84	4	0	1490	92.5
LYDDDMAYGEVSTVARQGSC	2180.3	3.84	4	1	2980	58.5
MDDFINAETDWGQGQNRGSC	2244.3	3.84	4	1	5500	24.5
NVDDDFYQHWLGEWTGWGSC	2415.5	3.84	4	0	17990	34
PDGVALMDIIRVAPDSEGSC	2045.3	3.84	4	1	0	97.5
PDWLQNLHLQMPADQMDEGSC	2315.5	3.84	4	0	5500	44
PWTEQPDYDHWAWQMDYGSC	2515.6	3.84	4	0	19480	5
QASDQYYMHDVETIFDYGSC	2372.5	3.84	4	0	4470	39
QDVNKDTEDIQQGGVFPGSC	2137.2	3.84	4	1	0	48.5
QNEGNDGIAMDSDSLKGSC	2028.1	3.84	4	1	0	44
QYFWWLDQDDQTEITKGSC	2420.5	3.84	4	1	12490	39
SIWWDYVWNEAQDNFHDGSC	2472.5	3.84	4	0	17990	39
SWDVAKIDFGGPYEDITGSC	2160.3	3.84	4	1	6990	58.5
WMKYILNDMSDGEIMTDGSC	2309.6	3.84	4	1	6990	58.5
WPIYPADLMDWDSWREYGSC	2490.7	3.84	4	1	19480	44
WSDDAGAEAYSAMQAKDGSC	2063.1	3.84	4	1	6990	25
WWNDPINEVQFKMWDQDGSC	2498.7	3.84	4	1	16500	34
DIDSDPPQFMTWQKVVEGSC	2282.5	3.84	4	1	5500	48.5
PILVIVTGDFADPYHDEGSC	2148.3	3.84	4	0	1490	92.5
VYIEHVFTLGDVDQFDVGSC	2243.4	3.84	4	0	1490	97
HQDWNDYEHNTFTDEDEGSC	2469.4	3.89	7	0	6990	0
DFDSQKEDRDNASNVLGSC	2215.2	3.9	6	2	0	39
DLDVADHEWIGHDQSTDGSC	2200.2	3.9	6	0	5500	58.5
ITWGMVDFEHYVIEEEYGSC	2407.6	3.9	5	0	8480	68
PFWQEEWFIEVMNHDNEGSC	2497.7	3.9	5	0	11000	34
WSEMVEQFGNVEEDHNPSC	2294.4	3.9	5	0	5500	29
EVDYAQETEIQENANHGSC	2265.3	3.9	5	0	1490	44
AEVEWYFFQNHLDDNNTGSC	2389.4	3.91	4	0	6990	39
DALLENAYHLGVIMDEMGSC	2181.4	3.91	4	0	1490	102.5
DAVIYHEQAQGVDPYEFGSC	2228.3	3.91	4	0	2980	58.5
DEREEAPIINIATEITPGSC	2158.3	3.91	5	1	0	88
DLEASDNLAYELYPNHTGSC	2212.3	3.91	4	0	2980	68.5
DSDETSWWMIYVEWWFHGSC	2564.7	3.91	4	0	23490	34
EDPFPEVIGSPHWWDFFGSC	2352.5	3.91	4	0	11000	34
FEYPDVGQAQEHYIVADGSC	2228.3	3.91	4	0	2980	58.5
HTELMQEQLYWWDFPIDGSC	2499.7	3.91	4	0	12490	39
MEQDFERTEELIMFYMGSC	2522.8	3.91	5	1	2980	39
MFADHVPVNEQFDEQNYGSC	2330.4	3.91	4	0	1490	34
NGTYLTETYDTQHDTEGSC	2298.3	3.91	4	0	4470	19.5
QDAFETYHDQFWGEQMGSC	2336.4	3.91	4	0	6990	5
TGVMMLMWDGWFFSEEHGSC	2373.6	3.91	4	0	16500	34
TNYHYEWDMDFLIAAMGSC	2396.6	3.91	4	0	8480	49
VKEGYEEPLPWPPEVWVGSC	2317.5	3.91	5	1	12490	48.5
VQSQFEDIYHWDGMEIFGSC	2391.6	3.91	4	0	6990	53.5
YDDPHENAPSEPIILSLGSC	2157.3	3.91	4	0	1490	83
AGEGVMADEQHYAYWLDGSC	2202.3	3.91	4	0	8480	49
EEGITYDDTPYHINFGGSC	2217.3	3.91	4	0	2980	53.5
FIEIVTSDHYDGVESVVGSC	2156.3	3.91	4	0	1490	97

LWIFYEMQEPFHLDLFDGSC	2490.8	3.91	4	0	6990	78
NFVEFWFFEDDAHGFFFGSC	2358.5	3.91	4	0	5500	19.5
AFNFPLEKSADNDFANEGSC	2176.3	3.92	4	1	0	34.5
ARFVQDEFDYELTFVFWGSC	2459.7	3.92	4	1	6990	53.5
AVAMEGEAWRDVSDFQLGSC	2171.3	3.92	4	1	5500	63.5
AVNDQVVEDTVEKLNFGSC	2181.3	3.92	4	1	0	82.5
DDNSLIETGLENMITAKGSC	2111.3	3.92	4	1	0	83
DMFQPIAQLEDWGKIESGSC	2254.5	3.92	4	1	5500	63.5
ENIQQQERYSDFDGYYQGSC	2430.5	3.92	4	1	4470	19.5
ESVPTDLPMDTMEGKNWGSC	2197.4	3.92	4	1	5500	34
GLWGDGQILKNPEYGDEGSC	2138.2	3.92	4	1	6990	58.5
IDNIDLYELARGMESAVGSC	2156.4	3.92	4	1	1490	102.5
KINDDWEVSQSIADVWEWGSC	2352.5	3.92	4	1	16500	73
LAFVEDRPLSGNGNENDGSC	2094.2	3.92	4	1	0	58.5
LYTSEQMTFYGGRDDEIGSC	2272.4	3.92	4	1	2980	39
PWVREGGTAWDYDYIEGGSC	2261.4	3.92	4	1	13980	39
QEWQQAIPKGMIEDQDQSC	2294.5	3.92	4	1	5500	44
QWPLRVQDEASAFEDGMGSC	2226.4	3.92	4	1	5500	44
RLFADDLEWLSWWVQEMGSC	2471.7	3.92	4	1	16500	78
RYMIEWESADDFQFISFGSC	2431.6	3.92	4	1	6990	44
SPPWAWWFDEIFNDREYPGSC	2416.6	3.92	4	1	12490	24.5
TEQEFAFDFAAPMDFTRGSC	2270.4	3.92	4	1	0	15
VNFEDPGMDPGFVFRFEGSC	2250.4	3.92	4	1	0	29
VQPMEFDAFYQGTRVDEGSC	2279.4	3.92	4	1	1490	34
WAAIAPVFRDFELDAFEGSC	2244.5	3.92	4	1	5500	73.5
WERSDGPMEGTPAAQIGSC	2107.2	3.92	4	1	5500	29.5
WISEDGTGFLAADEVLRGSC	2126.3	3.92	4	1	5500	83
WKDPQTPAAGAELEMDGGSC	2063.2	3.92	4	1	5500	34.5
YDEEVYYNDATKYAGPAGSC	2216.3	3.92	4	1	5960	29.5
YDRDWMWAAAPQVLTETGSC	2358.5	3.92	4	1	12490	44
DDLPHYWERQYVENFWQPGSC	2532.7	3.92	4	1	13980	34
ESERVADYQWDVMFYVVGSC	2371.5	3.92	4	1	8480	48.5
GYEDMPYSNIGDPSIKEGSC	2162.3	3.92	4	1	2980	39
ISDWNWNWEQEWGVWRFGSC	2514.6	3.92	4	1	22000	34
IVVYQMDDPTPTSKEEGSC	2212.4	3.92	4	1	1490	68
MSYTELGRTDEVDNAAGSC	2132.3	3.92	4	1	1490	63.5
PQLQRMEQQWVPEDDWIGSC	2445.7	3.92	4	1	11000	53.5
PVFQYKMTETDLFADNEGSC	2295.5	3.92	4	1	1490	39
TSGRPEDAYGLQGENDTGSC	2057	3.92	4	1	1490	24.5
TWWEDEWPPAPDAFLKIGSC	2348.6	3.92	4	1	16500	49
VTWVGTNESDNDMRLEMGSC	2244.4	3.92	4	1	5500	48.5
ANYDDGNDTSHVWANWFGSC	2259.3	3.93	3	0	12490	24.5
ASGMHDDQTSLWMIDMAGSC	2156.4	3.93	3	0	5500	49
DAHANGYPADVGFSLDTGSC	1997	3.93	3	0	1490	49
DDWVSWDIRWPVPWWFNGSC	2551.8	3.93	3	1	27500	48.5
DGFDSYRNLAIDAWALGSC	2187.4	3.93	3	1	6990	93
DIRSQSWMWNDTWVWLDGSC	2485.7	3.93	3	1	22000	53.5
DLLYTRQVYAFVDGPVDGSC	2218.4	3.93	3	1	2980	87.5
FFRDDGQGVFVYPDQVAGSC	2207.4	3.93	3	1	1490	48.5
FRSLYLMATWNQDDDYGGSC	2448.6	3.93	3	1	9970	44
FTADNQVQQVDDAHQITGSC	2177.2	3.93	3	0	0	58.5
GDTFPMVTDAGMRDYFGSC	2183.4	3.93	3	1	1490	39

IDKDDSGLSFPNIINSIGSC	2095.3	3.93	3	1	0	97.5
KNLYMIMIDADYSITIDGSC	2266.6	3.93	3	1	2980	102.5
KPDFDPGSSWDPYLLQIGSC	2225.4	3.93	3	1	6990	58.5
LGVRTSDFLDMANWGDGSC	2207.4	3.93	3	1	6990	58.5
LHAYAIDYNLDYWDQGFSGSC	2351.5	3.93	3	0	9970	68.5
LLNLIAFDYDDYHSQSGSC	2232.4	3.93	3	0	2980	88
LWATFDMMWDPGPFVRDGSC	2331.6	3.93	3	1	11000	39
MDQDRIPAMALMAYNLDGSC	2215.5	3.93	3	1	1490	73.5
MNTDWVYRNSDLMIPIGSC	2330.6	3.93	3	1	6990	73
NVDLDTFSRVQDSNVINGSC	2183.3	3.93	3	1	0	82.5
QAHTLWTMMYDDTDAQNGSC	2288.4	3.93	3	0	6990	29.5
QTQIFKQWQITYDWPDDGSC	2459.6	3.93	3	1	12490	39
SGDTQDKYGPFDVSGQPGSC	2045.1	3.93	3	1	1490	14.5
SQTDVDSAAPQDAMKTWGSC	2098.2	3.93	3	1	5500	29.5
TIQIYLDQMDIKTDPNGGSC	2212.4	3.93	3	1	1490	78
TLGNDQQWAAKMDDVGSAGSC	2083.2	3.93	3	1	5500	44
VAYGVPAFTLDSDAHVDGSC	2024.1	3.93	3	0	1490	78
VDDPSMISRDQLLLWLFSGSC	2295.6	3.93	3	1	5500	112
YFVKDDYNMYFFASDMTGSC	2404.6	3.93	3	1	4470	19.5
DDFWDMMVMTWYVTIYHMGSC	2500.8	3.93	3	0	13980	48.5
GADHGMQTTDWSFGNGDGSC	2043	3.93	3	0	5500	5
LMLDPHYLQGFTNDPIDGSC	2236.5	3.93	3	0	1490	78
LVADDITVAHTIYDMTIGSC	2138.4	3.93	3	0	1490	117
LVLHVDLTDNDWYVPYFGSC	2356.6	3.93	3	0	8480	102
PWIGMDDRNYTDALMWTGSC	2332.6	3.93	3	1	12490	44
QDDMWIYAWAWMKMDNIGSC	2464.8	3.93	3	1	17990	49
QDSANDKPYAILIADYGSC	2157.3	3.93	3	1	2980	93
RKFEDEEFEEEEQEAGFGSC	2395.4	3.93	9	2	0	5
RPDGFQWLWIGTIYDMDGSC	2360.6	3.93	3	1	12490	58.5
SYQRENESDEEEKNNEDGSC	2362.2	3.94	8	2	1490	0
QDDINGHEDLDEMYSLHGSC	2278.3	3.95	6	0	1490	58.5
EQKTEVDRMNDPPFEDEGSC	2326.4	3.95	7	2	0	14.5
DHDMSRYAEDNGWSADEGSC	2245.2	3.96	6	1	6990	10
EVWRFDDDEFSSKDYPWGSC	2468.5	3.96	6	2	12490	14.5
LDDVVSASERMDDNESHGSC	2166.2	3.96	6	1	0	53.5
LENDLTGANEFQDKDDHGSC	2208.2	3.96	6	1	0	44
DLTERETTAFFQDDHADGSC	2258.3	3.96	6	1	0	29.5
KPSDTVHIDDPIMVDDIGSC	2157.4	3.97	5	1	0	87.5
TEKEEQSWQESMPETVAGSC	2256.4	3.98	5	1	5500	19.5
AEMGFTSPERDQGASQEGSC	2087.1	4	4	1	0	10
AIGISMVTEYLFVWAFVGSC	2193.6	4	1	0	6990	112
ALVVTAWFGTWEVSFMGGSC	2148.4	4	1	0	11000	73
APYTPQFFEAQTWWINGGSC	2303.5	4	1	0	12490	29.5
DFVTEAIAAFVHEAVEAGSC	2066.2	4	4	0	0	88
DIEEQYNTQGVYHNYGEGSC	2306.3	4	4	0	4470	34
EIEENDMFWKWVNPTPNGSC	2396.6	4	4	1	11000	34
ELHDGTYSYLTINWSEEGSC	2304.4	4	4	0	8480	58.5
EPTVDVETQFWYTRLEQGSC	2388.5	4	4	1	6990	48.5
ERWDESQGMWWQVEPQWGSC	2524.7	4	4	1	22000	14.5
ETFFSESMKNNVWDTEWGSC	2397.5	4	4	1	11000	14.5
EYFYPQATTAFSNQVAGSC	2197.4	4	1	0	2980	49
FEFETQIGGMSHATPEDGSC	2143.2	4	4	0	0	24.5

FEMGPFKLWDVPMEWYEGSC	2451.8	4	4	1	12490	34
FGTESVMYEGDGAQHEPGSC	2101.2	4	4	0	1490	19.5
FILLWAYIELTFWYMWAGSC	2514	4	1	0	19480	107.5
FSLVSPAQWMSSIVNTEGSC	2143.4	4	1	0	5500	73
FVTNYYYYIASQGPVEALGSC	2182.4	4	1	0	4470	78
FWITWGNYNWNTGYQYGSC	2489.6	4	1	0	20970	19.5
FYGQYAVLTYNPEVPGYGSC	2228.4	4	1	0	5960	53.5
GFTSLQTELTVMITNQGSC	2129.4	4	1	0	0	87.5
GGFIENPWANPSNSTFTGSC	2086.2	4	1	0	5500	24.5
GGLLEQMVPQAGTQPVMGSC	2003.3	4	1	0	0	73
GPFVIEYSYVFPFPIVQGSC	2249.6	4	1	0	2980	82.5
GVFQMIPPPFSPFIEGLGSC	2123.5	4	1	0	0	73
GVNMGYILYLQESWTAFGSC	2239.5	4	1	0	8480	78
GWGA EVTIGVWITTSPGSC	2020.2	4	1	0	11000	87.5
GYTVEQEWP AEHQVYDMGSC	2329.5	4	4	0	8480	34
HEGLEGDQTIYQFMIEYGSC	2320.5	4	4	0	2980	58.5
HFPLFWVLWSGEEMEDVGSC	2368.6	4	4	0	11000	68
IEGGGPITLFNVMMWFNGSC	2173.5	4	1	0	5500	73
IMEAGSVDTVHEFLEPGGSC	2078.3	4	4	0	0	73
INSFTWVEEYEDIRAWIGSC	2418.6	4	4	1	12490	78
ITEESDLQWVWTFERWPGSC	2469.7	4	4	1	16500	53.5
IVLNTPYFAENTMVFAMGSC	2208.5	4	1	0	1490	78
IWSPNAELVWQIWGPYIGSC	2319.6	4	1	0	17990	97.5
KYAIEFENYDVYLMFETGSC	2422.7	4	4	1	4470	58.5
LFQASYQPLFGYAMNEMGSC	2257.5	4	1	0	2980	49
LILPSVQGGPSLSVYETGSC	2007.2	4	1	0	1490	107
LPETVWYQWNVSIPSLTGSC	2280.5	4	1	0	12490	87.5
LPMPVPGYTGF PETMMIGSC	2128.5	4	1	0	1490	53.5
LQNNNAFLVFPPMYEAGSC	2278.5	4	1	0	2980	63.5
LTTTAAAE TTLAGTSAAGSC	1797.9	4	1	0	0	69
MLWIFNMWWMEGMTLLQGSC	2478	4	1	0	16500	78
MMQMNETEVQVGEAGKDGSC	2144.3	4	4	1	0	34
NINDYFTMHVIGELLEEGSC	2284.5	4	4	0	1490	92.5
NIPWWSGEDKIAFEESYGSC	2318.5	4	4	1	12490	44
NPSPTVAEGLWWT SAGQGSC	2048.2	4	1	0	11000	44
PEEKAQYEDFANQPFVIGSC	2272.4	4	4	1	1490	44
PEFGWIVYLGMMAF TMQGSC	2268.7	4	1	0	6990	58.5
PFWMNIGNFQFP GVEPIGSC	2240.5	4	1	0	5500	53.5
PMFQILQFPYYMSMTEVGSC	2372.8	4	1	0	2980	53.5
PYGNIW TGELMWMPN ILGSC	2282.6	4	1	0	12490	78
QIQSINMVLVIYENNNWGSC	2325.6	4	1	0	6990	107
QLYTPEPDMSPEHTFIEGSC	2281.4	4	4	0	1490	39
QNWYEVEE ANAGDVKAQGSC	2198.3	4	4	1	6990	44
QRVVEAEGALGYTDLEAGSC	2068.2	4	4	1	1490	83
QSEPYIANMPMLSGSPSGSC	2056.3	4	1	0	1490	44
RGNNEYVYEVGWSE DQGSC	2320.3	4	4	1	8480	29
SGENWWGWTQAPPLFYMGSC	2317.5	4	1	0	17990	24.5
SGKELMDGEPETPYQNF GSC	2189.3	4	4	1	1490	19.5
SIWEGWWSLQQMTYFFGGSC	2413.7	4	1	0	17990	39
SLMEVEYADEMFTTKTYGSC	2305.5	4	4	1	2980	39
SLVPNFAAQFWATEGTVGSC	2085.3	4	1	0	5500	63.5
SMEQGGTEDMEAIR TQSGSC	2117.2	4	4	1	0	24.5

SPYQIPVVWSYFAENLNGSC	2274.5	4	1	0	8480	73
SWWMMYSTLGPGSTQELGSC	2221.5	4	1	0	12490	39
SWWWWLFEFVMGPNSGQGSC	2404.7	4	1	0	22000	34
SYNWYPPEEDEHTGNTVGSC	2285.3	4	4	0	8480	14.5
TFVVPTAGIVEYQIWLPGSC	2180.5	4	1	0	6990	107
TQVSYNYWSEGWGWFWVGSC	2442.6	4	1	0	24980	29
TSDATTEAKLAGEELVTGSC	1983.1	4	4	1	0	68.5
VAATNVFPSAEVNGYQSGSC	2001.1	4	1	0	1490	58.5
VFVALIPGNASLTMEVIGSC	2021.4	4	1	0	0	131.5
VNEVPMGITWPSMPQLTGSC	2147.5	4	1	0	5500	68
VTPESYSELSEKLNNDIGSC	2185.3	4	4	1	1490	73
VYEGQYEDFFNRQPWSEGSC	2441.5	4	4	1	8480	14.5
WPSWPETQTMFPLPLGIGSC	2247.6	4	1	0	11000	58.5
WSWPQEWGYAQFAIQIAGSC	2328.5	4	1	0	17990	54
WTTFNSHIADIEFWEEGSC	2359.5	4	4	0	11000	44
WVQGITITPQAMFEFFTGSC	2263.6	4	1	0	5500	58.5
WYAIVVSFMAIFEAMGPGSC	2179.5	4	1	0	6990	83
WYDAFVFWGIEEEAANHSC	2331.5	4	4	0	12490	49
YPHEDSTPSREEEQNEDGSC	2309.2	4	7	1	1490	0
YPWEQEPTVPNDLEHITGSC	2315.5	4	4	0	6990	53.5
YYPQEAATIIWGVATVAGSC	2100.3	4	1	0	8480	88
EFQEDFPIWGPAESRGTGSC	2213.3	4	4	1	5500	24.5
ETYHEDNPYEGIIFFLYGSC	2397.6	4	4	0	4470	58.5
FQIIWMQYEQQPAGQSGGSC	2187.4	4	1	0	6990	44
FWELMANPAGWPIGIAGGSC	2077.4	4	1	0	11000	73.5
GAYGIEANSMILVWYSIGSC	2134.4	4	1	0	8480	102.5
INVYSLYPEKEVDSSEMGSC	2250.4	4	4	1	2980	68
MINTWIASVMAWMNETNGSC	2259.6	4	1	0	11000	63.5
MVQEQADQPLETAKLYEGSC	2240.4	4	4	1	1490	63.5
NFEYPEPERGDNNMQPPGSC	2281.4	4	4	1	1490	0
NPTNVLIEIWLVFSSVSGSC	2165.4	4	1	0	5500	121.5
NYIWFWNSVQFFNQISEGSC	2469.7	4	1	0	12490	53.5
PYEAMEDTSEPLNKAQAGSC	2141.3	4	4	1	1490	34.5
QMIWEPIEMRFDEGMMAGSC	2361.7	4	4	1	5500	44
QMWWMSQMNEFGMTIGNGSC	2338.6	4	1	0	11000	19.5
TFAAFQFNVGYIFPIPEGSC	2208.5	4	1	0	1490	63.5
TYGIQSLFEIAVYAIQMGSC	2194.5	4	1	0	2980	102.5
VFPQSEGWPMNTIAVFNGSC	2184.4	4	1	0	5500	53.5
VTVVQTSSPWTQLQNELFGSC	2196.4	4	1	0	5500	82.5
WGSWEQEEWVDWKMWYQGSC	2620.8	4	4	1	28990	14.5
YAQQGQPTMIETGYMSTGSC	2153.3	4	1	0	2980	24.5
EADRVETSLEHDSFLSDGSC	2197.2	4.01	6	1	0	58.5
ESHKVVDEMDIMLEDWIGSC	2336.6	4.01	6	1	5500	87.5
GGKNDEDAHEYNEDYNVGSC	2216.1	4.01	6	1	2980	19.5
AEQADSFLPPVITTHYDGSC	2151.3	4.02	3	0	1490	63.5
AINFQFEDHGAFQINDQGSC	2241.3	4.02	3	0	0	49
DGGMSMTFQIHDMEQYAGSC	2208.4	4.02	3	0	1490	24.5
DSLTINADTEGNYGHAQGSC	2053.1	4.02	3	0	1490	49
EKDIIQKEPAGPDEDNIGSC	2158.3	4.02	6	2	0	63.5
FFMETHAMVNIDYSLDGSC	2281.5	4.02	3	0	1490	58.5
FVGLGSVHWEGLPYDYGSC	2201.3	4.02	3	0	8480	68
GVNPADDAQYTLPHLEMGSC	2118.3	4.02	3	0	1490	63.5

GWDEMDVMPHVWVGGMVGSC	2192.5	4.02	3	0	11000	58
LDGIDHGEMQSPAPIAGSC	1995.2	4.02	3	0	0	68.5
LIEFGAMILDHWVFDPWGSC	2336.7	4.02	3	0	11000	97.5
LTDAMMTESWAHWGWDGSC	2285.5	4.02	3	0	16500	29.5
MIPTQPAHEDYFMWDLVGSC	2340.6	4.02	3	0	6990	58.5
MSQLLWTGIGADIFDHEGSC	2180.4	4.02	3	0	5500	83
MYIFFPQDDHPLEGANSWSC	2228.4	4.02	3	0	1490	44
NDTPITSEDNMIGGQHNGSC	2090.1	4.02	3	0	0	39
NMDVDQNYMNLVEHTVTGSC	2270.4	4.02	3	0	1490	63
NNEANPLHATDQDWNIPGSC	2196.2	4.02	3	0	5500	49
NPDNMDEIQIVILMHFQGSC	2304.6	4.02	3	0	0	92.5
NYHGEMVSMVSGDLGDGSC	2015.1	4.02	3	0	1490	48.5
PDTEQAMLYWSWIYDPHGSC	2399.6	4.02	3	0	13980	44
QEDPHFTYQDQWQPTWQGSC	2481.5	4.02	3	0	12490	0
QMNDHDPSTTILMIFPGSC	2236.5	4.02	3	0	0	58.5
QVGISHYPEDIVPNQLDGSC	2171.3	4.02	3	0	1490	87.5
QYYLLTAHTSDYEYWDVGSC	2414.5	4.02	3	0	11460	58.5
SEDGHQVIMDWYNNVLPWSC	2264.4	4.02	3	0	6990	68
SQMEVTVTAHADAIGDAGSC	1963.1	4.02	3	0	0	68.5
TDDEKASVRTENELMADGSC	2171.2	4.02	6	2	0	44
TIMTGFELTFDNQSDVHGSC	2202.4	4.02	3	0	0	53.5
VWYSHMVGIMDDFVSAEGSC	2233.5	4.02	3	0	6990	68
WSDTIWHANIPEWFDSLWSC	2364.5	4.02	3	0	16500	63.5
WTPQDYAEWFTHDFLMGGSC	2391.6	4.02	3	0	12490	24.5
DAFLHMMDVETSQFVWVGSC	2302.6	4.02	3	0	5500	68
DLVMPTNHESLSQLTGDGSC	2104.2	4.02	3	0	0	73
DNPTFNSHLIESPIDAIGSC	2130.3	4.02	3	0	0	83
EDFWYQNQHMTMWLFPDAGSC	2475.6	4.02	3	0	12490	24.5
EFIQYMDLDLQWFAMHPGSC	2431.7	4.02	3	0	6990	63.5
IDADEWTPVVVYTHFMPGSC	2267.5	4.02	3	0	6990	68
IFPPPSDTVNDLHVETVWSC	2127.3	4.02	3	0	0	82.5
ISVETQWVPLHDTGWDQWSC	2258.4	4.02	3	0	11000	68
KVTEEEEDDAMWLMDKYVWSC	2349.6	4.02	6	2	6990	53.5
LDVYGFSHVQYAVDQPEGSC	2214.3	4.02	3	0	2980	68
LVLVWPHQDGYGDLYEVGSC	2250.5	4.02	3	0	8480	102
NDVNFSLEHQTPSPADGSC	2117.2	4.02	3	0	0	53.5
SIDVGQDEAPHFYSGQMGSC	2128.2	4.02	3	0	1490	39
TLSSNVDVALEPIVMHDGSC	2087.3	4.02	3	0	0	107
VSLVFHELQSDQMWNDRNGSC	2309.5	4.02	3	0	5500	68
WIGTWHETVNFVSDLTAGSC	2237.4	4.02	3	0	11000	73
YDPMVFGFSFWIPEQDHGSC	2362.6	4.02	3	0	6990	34
ADFMSEMVLIFAKNDIGGSC	2148.4	4.03	3	1	0	83
AISRGDPMIMTSEDYSQGSC	2148.3	4.03	3	1	1490	44
ANDPIWNLDPELNWIRTGSC	2314.5	4.03	3	1	11000	83
AWTEVGDMFLRWQSTDPGSC	2286.5	4.03	3	1	11000	39
DDNIMIHIIETDFYDITGSC	2339.5	4.03	5	0	1490	78
DINWERPIDMVAFDDLHGSC	2333.5	4.03	5	1	5500	78
DKMAFWINDNAWVGEYMGSC	2337.6	4.03	3	1	12490	44
DTGSPKMQPEVNVDFVTGSC	2111.3	4.03	3	1	0	43.5
DTPESWPLFQPRAASWDGSC	2250.4	4.03	3	1	11000	29.5
DVFPFQLNWAKDVMGEPGSC	2240.5	4.03	3	1	5500	53.5
DWKAMMGTTWSDPEFAFVGSC	2265.5	4.03	3	1	11000	24.5

EFD FRDWIAGLVYNMINGSC	2350.6	4.03	3	1	6990	78
FFDIIPPGNMETYDVFRGSC	2308.6	4.03	3	1	1490	53.5
FIVPADVTYFEPDKVANGSC	2172.4	4.03	3	1	1490	73
FNNMWNAFRETSGYDDQGSC	2342.4	4.03	3	1	6990	5
FWEYKDMMLQGNINVDAGSC	2321.6	4.03	3	1	6990	58.5
GEDDTMQRSYNWYQTNVGSC	2354.4	4.03	3	1	8480	14.5
GKPVSTWEDYNSDFTTMGSC	2225.3	4.03	3	1	6990	14.5
GSEIDMTQIDMPAFLMRGSC	2202.5	4.03	3	1	0	63.5
HLDDFAVMDIPREWNIDGSC	2333.5	4.03	5	1	5500	78
IAGKTTQDIIDAGSLVEGSC	1978.2	4.03	3	1	0	102.5
IEKYDTMWTMDLTQGAGGSC	2207.4	4.03	3	1	6990	44
IGQDDKIMIFPWAITWEGSC	2310.6	4.03	3	1	11000	83
IIKDMTAEIFMADSQWMGSC	2277.6	4.03	3	1	5500	68.5
IPDNWGLEDMNRGAFIWGSC	2281.5	4.03	3	1	11000	63.5
IWPWAVFLFGKDSQDEMGSC	2316.6	4.03	3	1	11000	58.5
KAMIIIEVGGTFDDVFNGSC	2116.4	4.03	3	1	0	92.5
KPTIVDDMEGFMNTPLFGSC	2202.5	4.03	3	1	0	53.5
KVASGADMLEWIMDNFQGSC	2202.5	4.03	3	1	5500	63.5
LMPDEFLVDGISLLARQGSC	2164.5	4.03	3	1	0	117
MADFVSFEFVSLDYQSKGSC	2260.5	4.03	3	1	1490	53.5
MDIQPGYEIYRGYSMDVGSC	2284.5	4.03	3	1	4470	53.5
MDTQFDVFNVAESFRVGSC	2251.5	4.03	3	1	0	63
MELTMPDRWMDVVIVQPGSC	2307.7	4.03	3	1	5500	82.5
MFYPDGNTGMFMREVSDGSC	2244.5	4.03	3	1	1490	14.5
MMWMSGDFSFFEKMNLDGSC	2363.7	4.03	3	1	5500	19.5
MPGEQQYQPLRDQTDGNGSC	2224.3	4.03	3	1	1490	19.5
MWDYLVELYRAFNDNFVGSC	2442.7	4.03	3	1	8480	73
NEVPYLQAVDTNRDGSYGSC	2188.3	4.03	3	1	2980	53.5
NLFFFYKMDSFYEQYDSGSC	2491.7	4.03	3	1	4470	19.5
PDNKLINQDMATLGIELGSC	2132.4	4.03	3	1	0	102.5
PREVSYGTIDQVAYNDGGSC	2131.2	4.03	3	1	2980	53.5
PTLQNEIDQDWVVRASLGSC	2231.4	4.03	3	1	5500	92.5
QELPGPQAQQDLDIRGGSC	2159.3	4.03	3	1	0	63.5
QFSWEYGRWWDVDVNLYGSC	2510.7	4.03	3	1	19480	48.5
QQGIDGLIKTDQLVLEMGSC	2148.4	4.03	3	1	0	112
SENPFGLDWFFQADFRQGSC	2351.5	4.03	3	1	5500	24.5
SPSSDYEDRYFFFNGNFGSC	2339.4	4.03	3	1	2980	0
SYIAIMSVYEDKFTLDPGSC	2239.5	4.03	3	1	2980	78
TIDWFSAAAGNSGDKGAEGSC	1973	4.03	3	1	5500	34.5
TMRGSEDVSYTPYMYDGSC	2261.4	4.03	3	1	4470	29
TSTAKADLSEVDTLGAGSC	1939.1	4.03	3	1	0	88
TYFEALQMVVFDDMFKLGSC	2344.7	4.03	3	1	1490	73
TYGEASGWNDVVDGMKMGSC	2107.3	4.03	3	1	6990	34
VADNVQMNKIASSLDIEGSC	2094.3	4.03	3	1	0	97.5
VDARMETFYDMQYPYYLGSC	2452.7	4.03	3	1	5960	39
VLLAVTTKTDLAGLEDAGSC	1977.2	4.03	3	1	0	122
VSDRDGWVPEQAVMVANGSC	2120.3	4.03	3	1	5500	68
VYGEYDPLDYTWKGVYNGSC	2329.5	4.03	3	1	11460	48.5
WDLNNDNFNFSAMRQEFGSC	2428.6	4.03	3	1	5500	24.5
WMWASGDPTPELDRIGVGSC	2177.4	4.03	3	1	11000	58.5
YDFVIYLVKVPGNNEIYDGSC	2309.5	4.03	3	1	4470	87.5
YDMEIMSFNYLSNFQKGSC	2392.6	4.03	3	1	2980	39

YRDYAPSNVSWYPIIDEGSC	2335.5	4.03	3	1	9970	58.5
YSGQLMTDNGDGEAKWGSC	2132.3	4.03	3	1	6990	44
YSTNEYVMGKDFDANQLGSC	2242.4	4.03	3	1	2980	39
YYNPFAQELDRTGPSNDGSC	2234.3	4.03	3	1	2980	24.5
YYTMEYVKAYTQDIDTTGSC	2352.5	4.03	3	1	5960	39
DMQNEDIFMATTWLRWIGSC	2417.7	4.03	3	1	11000	63.5
DNWNLEIWNQDWIKTGLGSC	2392.6	4.03	3	1	16500	78
DTMERIMVSDQMASAQVGSC	2159.4	4.03	3	1	0	58.5
EFDVGWVFTSKDYGMGSC	2290.5	4.03	3	1	8480	43.5
LMAMSYVGFYDEQRFDGSC	2382.6	4.03	3	1	4470	39
LMIYDEPVGILPLDTLKGSC	2177.6	4.03	3	1	1490	131.5
LWDWLMNMIEINRNWDIGSC	2509.9	4.03	3	1	16500	97.5
QMESGLDWVKAGGGDLWGSC	2096.3	4.03	3	1	11000	58.5
SQYVRPTLLSDLTDEYFGSC	2294.5	4.03	3	1	2980	73
TKIASFQEFAGDDWTVSGSC	2149.3	4.03	3	1	5500	44
WENGVPYQYGGDKQYPISGSC	2243.3	4.03	3	1	8480	34
WMDDIDAPQDEWVWFHHGSC	2474.6	4.03	5	0	16500	39
WSAEDKLVMLAIAPGDGSC	2062.3	4.03	3	1	5500	102.5
YYRIVEYIGWFDPPQIDYGSC	2487.7	4.03	3	1	11460	73
EEGLTSRERGTEEEEWEGSC	2313.3	4.04	8	2	5500	19.5
GDGGVDSETPRADKMYDGSC	2060.1	4.04	5	2	1490	19.5
PVMIKDDESMVMKDDGYGSC	2220.5	4.04	5	2	1490	48.5
SVSEWQDDSKDDYRFSSGSC	2298.3	4.04	5	2	6990	14.5
EKDDYESDHHDTTESNEGSC	2298.2	4.07	8	1	1490	0
WYHNEDPEADSEHEYTSAGSC	2356.3	4.07	6	0	8480	5
DSEEDFKMEFMYNAELRGSC	2401.6	4.08	6	2	1490	24.5
EQEDNQKSKQSETSYDEGSC	2292.2	4.08	6	2	1490	0
LIALSEPRDDEERLMPGSC	2260.5	4.08	6	2	0	83
QYNDREYKYNDTTEETGSC	2445.4	4.08	6	2	4470	0
DRDTPWETTNTKEEGIEGSC	2268.3	4.08	6	2	5500	19.5
TKELESHMQEFTDDSEQGSC	2301.4	4.08	6	1	0	19.5
FYLVVSEEEGHQPEVMVGSC	2239.5	4.09	4	0	1490	77.5
ISQPGRNEINGYEEENVGSC	2195.3	4.09	4	1	1490	53.5
SGEPIGYIKMEMPEELWGSC	2256.5	4.09	4	1	6990	58.5
TEIEENHEAPPLFTTSAGSC	2133.2	4.09	4	0	0	49
WGEIGTEIGEEQWIAQHGSC	2230.3	4.09	4	0	11000	63.5
TEYSLTPEKVEYYAWEGGSC	2312.4	4.09	4	1	9970	39
WAFKLTEYMEETGNEYAGSC	2329.5	4.09	4	1	8480	29.5
DQEWFAEVAQDPRIDHQGSC	2331.4	4.1	5	1	5500	44
EGDFQHEMMTDPHLSMDGSC	2267.4	4.1	5	0	0	19.5
FMHQLKEDWWEAGADLMDGSC	2398.6	4.1	5	1	11000	44
GTDDEDVERFWHSYDFPSGSC	2334.4	4.1	5	1	6990	14.5
IDEDEMHRGFWPTIMWDGSC	2425.6	4.1	5	1	11000	39
LDAMHVIESDFDLWEFHGSC	2351.5	4.1	5	0	5500	78
MREDQDVEYKIWFDFPGSC	2528.7	4.1	5	2	8480	34
PDDFEWDEHNLQRWTSPGSC	2419.5	4.1	5	1	11000	19.5
SPFDYSHWFREVEDTGGSC	2334.4	4.1	5	1	6990	14.5
TEHWDRIVETVDWMSWDGSC	2452.6	4.1	5	1	16500	48.5
TMYSHPDRETWYDDMYGSC	2486.6	4.1	5	1	9970	0
TPVRDTSEPRDDTEVPFGSC	2208.3	4.1	5	2	0	29
YMEDDYWTERDPHSYMTGSC	2486.6	4.1	5	1	9970	0
YPHYGEEDDYTWKPDSAGSC	2320.3	4.1	5	1	9970	5

DEHNQEVKFVDTDYVYLGSC	2361.5	4.1	5	1	2980	63
EEGDDGWVHMDPALWRWGSC	2346.5	4.1	5	1	16500	39
FDDQHPPWFLEMHNIDEGSC	2417.6	4.1	5	0	5500	39
IPALHTEDTQGREDADNGSC	2129.2	4.1	5	1	0	49
LAQEFHMDKEYIDVVDAGSC	2270.5	4.1	5	1	1490	78
DFIEMEDMRAVSQKDTYGSC	2325.5	4.11	5	2	1490	39
DKPEDEPYGARQQQDSWGSC	2225.2	4.11	5	2	6990	5
DSNKNEENQTDRSQYDSGSC	2277.2	4.11	5	2	1490	0
ERYWDVEQMFPGIKYDDGSC	2438.6	4.11	5	2	8480	34
FAWDKEKVVINDDELMNGSC	2400.6	4.11	5	2	11000	58.5
KEDNPGYSSEQDYKNKLDGSC	2249.3	4.11	5	2	2980	19.5
NMLEDDNIWVKEKDWAFGSC	2400.6	4.11	5	2	11000	58.5
QKDEIEIDAYDTAFPRVGSC	2257.4	4.11	5	2	1490	63.5
VNFWKDDNPQKEYPNEGSC	2385.5	4.11	5	2	6990	14.5
AITSAWSEEAQYHFWGGSC	2245.3	4.13	3	0	12490	34.5
ATTMNLINVGNEHPDENGSC	2116.2	4.13	3	0	0	58.5
DAAIWEFYEYFHPQWFNMGSC	2478.7	4.13	3	0	12490	29.5
DNHTRWFLNVDLQMTDDGSC	2367.5	4.13	4	1	5500	53.5
DVFLAEMEGHGIMQYISGSC	2187.4	4.13	3	0	1490	78
ELMNLQIWGEPIHQSIDGSC	2270.5	4.13	3	0	5500	97.5
ELVWEFWHDYPMGTFFALGSC	2388.7	4.13	3	0	12490	58.5
ETNWFHEMADVFMPTPGSC	2270.5	4.13	3	0	5500	24.5
EYLNQALAHIDETMIIGSC	2235.5	4.13	3	0	1490	107.5
FFHITYWIEDYTMPEYIGSC	2515.8	4.13	3	0	9970	58.5
FYQFMVEHYFVNADPEPGSC	2380.6	4.13	3	0	2980	34
HLGWEFNMDLMIEINTWGSC	2396.7	4.13	3	0	11000	78
HWEVFAFYMDENGGAFGSC	2330.5	4.13	3	0	8480	24.5
INLTMDIDADSDQHKAAGSC	2105.2	4.13	4	1	0	73.5
ITRGIMNDPWDDDLHFNGSC	2306.5	4.13	4	1	5500	58.5
IYTIEAGSGDEGHQMISGSC	2055.2	4.13	3	0	1490	63.5
LEEHTIMPLFDAFYSSGSC	2310.5	4.13	3	0	2980	63.5
LLQEVDPYFGAHVVEMYGSC	2257.5	4.13	3	0	2980	87.5
MDDWHDKMWTGGDIQWWGSC	2454.6	4.13	4	1	22000	19.5
MEVDQMTSPEQLHNWLSGSC	2292.5	4.13	3	0	5500	53.5
MQSDISFFHWEFTGFTGSC	2356.5	4.13	3	0	5500	19.5
MWFELPWHYSNNYTVDEGSC	2478.6	4.13	3	0	13980	34
NFNIYVEWDEYQQWSNHGSC	2519.6	4.13	3	0	13980	34
PFIWIWSDYHDTTRTDVDGSC	2413.6	4.13	4	1	12490	53.5
PVDMGWEYEWHIAYIPFGSC	2400.7	4.13	3	0	13980	58.5
PVEEAAPSPIPQDIHSIGSC	2047.2	4.13	3	0	0	83
SMMDHDHIYNDFIIDQIGSC	2354.6	4.13	4	0	1490	78
SNLMFMFEEGDTPHMGWGSC	2276.5	4.13	3	0	5500	19.5
TAGYVIVQNEHSSDWWGSC	2268.4	4.13	3	0	12490	53.5
TAIYYWDYVWEEVWGAHGSC	2435.6	4.13	3	0	20970	58.5
TPWGDPESNSVGSMEHENGSC	2091.1	4.13	3	0	5500	14.5
VENGEALAVYQHVDTPQGSC	2117.2	4.13	3	0	1490	73
VEWDNSFATGVQHEAIGSC	2163.3	4.13	3	0	5500	78
WHPETWYLLVGDFVVEQGSC	2365.6	4.13	3	0	12490	82.5
WPWTAAVHLMAEQTLEDGSC	2245.5	4.13	3	0	11000	68.5
AAFADAFEHAGQIETSVGSC	2011.1	4.13	3	0	0	59
DALGFAAVNEPHTSSQEGSC	2020.1	4.13	3	0	0	49
DSMYFLIAHWPFSENEGSC	2380.6	4.13	3	0	6990	44

IWLIDLLYAHAVEISEGSC	2245.6	4.13	3	0	6990	161
PEMWAEGDSALVTHWTVGSC	2176.4	4.13	3	0	11000	58.5
VHYEYFPQYYYEYDTMGGSC	2515.7	4.13	3	0	8940	14.5
AENWKSINFDMETSVQSGSC	2233.4	4.14	3	1	5500	39
AESAPFTIIDAIRYWFGSC	2276.5	4.14	3	1	6990	73.5
AIVWSWEQEKDFVMYQVGSC	2405.7	4.14	3	1	12490	68
DIKMRPDTQPSLPDADGSC	2193.4	4.14	4	2	0	44
DLEYRTTQPLWINSEAMGSC	2314.5	4.14	3	1	6990	63.5
DWQEKEISQPWYVLMMSGSC	2399.7	4.14	3	1	12490	73
DYEIWKVMTIPNQGEAQGSC	2269.5	4.14	3	1	6990	58.5
EEVIIMSDYFATTIRTSGSC	2223.5	4.14	3	1	1490	78
EGADYYLVWLWRTLNEWYGSC	2438.7	4.14	3	1	15470	78
EIETDLWSLQKVYTAYLGSC	2319.6	4.14	3	1	8480	97.5
EQAAMLEWMTTWKMMSDGSC	2336.7	4.14	3	1	11000	29.5
ERFWQIYLFVYEFYLAGSC	2549.8	4.14	3	1	9970	78
ERVGDIFQTTEPWQLQAGSC	2265.4	4.14	3	1	5500	58.5
ESNALEDYKNTYAVPAGSC	2133.2	4.14	3	1	2980	49
EVERGDMNWLTVSVNAGSC	2195.4	4.14	3	1	5500	73
FMTLQDGIKEYEMTWSTGSC	2327.6	4.14	3	1	6990	39
FQAVEDEQRLWVLMVPGSC	2320.7	4.14	3	1	5500	107
FTPGGEFNVEASWAYDRGSC	2193.3	4.14	3	1	6990	24.5
FWFTQEIFEPADSQKAVGSC	2290.5	4.14	3	1	5500	44
FWTNIGKAQDAMEPELFGSC	2244.5	4.14	3	1	5500	49
GDRMMSEAEETEAMEHSGSC	2187.3	4.14	6	1	0	10
GLPQDEYWNVRSPFVPEGSC	2280.5	4.14	3	1	6990	48.5
IVDMVAERETPMWQVTVGSC	2251.6	4.14	3	1	5500	82.5
KELNTIMDAINGIPLIEGSC	2131.4	4.14	3	1	0	122
LEYGRWLETTVMYDIIIGSC	2362.7	4.14	3	1	8480	112
LFEVMSKMMWESVNDVTGSC	2293.6	4.14	3	1	5500	63
LPVKVEMWDVPLVAVELGSC	2184.6	4.14	3	1	5500	136
MDYQKFSAMWYMYEWPWGSC	2552.8	4.14	3	1	15470	5
MFIFEEVFLVDNWKYPVGSC	2423.8	4.14	3	1	6990	82.5
MPGGEYFIQFAQGADKGSC	2135.3	4.14	3	1	1490	29.5
NAWDVETQLYAMVESQRGSC	2287.5	4.14	3	1	6990	58.5
NDSWWFDRIQIDIINDRGSC	2453.6	4.14	4	2	11000	78
NMKIEGTQPQMNDVEYQGSC	2272.5	4.14	3	1	1490	34
NPAETIQWRPSEFFGDLGSC	2254.4	4.14	3	1	5500	44
NPTFSQWRMEQPQPEDVGSC	2336.5	4.14	3	1	5500	14.5
PADNSPVRLSQENWQQEGSC	2245.3	4.14	3	1	5500	39
PDPWAKQAIDDDSNWKQGSC	2261.4	4.14	4	2	11000	29.5
PGEAGGIRLIGDVFEQYGSC	2068.2	4.14	3	1	1490	78
PMGAQEMGGIANDPREIGSC	2033.2	4.14	3	1	0	49
QTVQGEMGSMIEAKLYDGSC	2147.4	4.14	3	1	1490	58.5
RDGLAWEGPILPLPMLEGSC	2154.5	4.14	3	1	5500	102.5
RMGEFTLMINASTMDEWGSC	2279.6	4.14	3	1	5500	44
RPVLDTETAEGMASMMGGSC	2043.3	4.14	3	1	0	44
SIVFKSAGEFPTDIEPPGSC	2081.3	4.14	3	1	0	58.5
SVPEKGNNNNNSILYDEGSC	2154.2	4.14	3	1	1490	53.5
TATLWRAGEVAPAEWDSGSC	2107.2	4.14	3	1	11000	54
TEDPAGSFENSQVVRNNGSC	2111.1	4.14	3	1	0	34
TQQSYGYWDREWAEQGGGSC	2308.3	4.14	3	1	13980	5
TQVYEFFDGMVNVVRGENGSC	2252.4	4.14	3	1	1490	43.5

TVNDKESFQIIMLEMVWGSC	2330.7	4.14	3	1	5500	87.5
TYAKEEALDTGPMGWLGSC	2128.4	4.14	3	1	6990	63.5
VNFESFREPTFGSDGYSGSC	2186.2	4.14	3	1	1490	14.5
VWGEMENPAGGMQDFKMGSC	2174.4	4.14	3	1	5500	19.5
YAYEWSTLTPVKWGDEVGSC	2291.5	4.14	3	1	13980	53.5
YEAQMPQYETFYRVPDYGSC	2447.6	4.14	3	1	5960	19.5
YLLMVPDSTEEARGPVAGSC	2095.3	4.14	3	1	1490	78
YPIVSIKDGFE LLPNTEGSC	2182.4	4.14	3	1	1490	92.5
YTQRAAQQDIMQMPVEEGSC	2285.5	4.14	3	1	1490	44
AFVPSGDIVEGGMKSEVGSC	1969.2	4.14	3	1	0	68
ALLMGVGTTPWEQERWVGSC	2236.5	4.14	3	1	11000	58.5
DPQNFWIGEVPHYGENGRGSC	2225.3	4.14	3	1	6990	34
ERFIEMGANADPTSAGVGSC	2012.2	4.14	3	1	0	49
ESKGQYEA FIMTDSVQTGSC	2181.3	4.14	3	1	1490	39
IDMVVFMGLWKQLGEEIGSC	2255.6	4.14	3	1	5500	107
IFGRTSDLGSL SNEEMNGSC	2117.2	4.14	3	1	0	58.5
IGEGQKSDMLMEWTPLIGSC	2195.5	4.14	3	1	5500	78
IMETNMDPNRISEAMVLGSC	2211.5	4.14	3	1	0	78
LDTPPPLTFWPAEWEFRGSC	2349.6	4.14	3	1	11000	44
LFSILGQKVAQEWEYSDGSC	2260.5	4.14	3	1	6990	78
MEVWQKIETIGDINVLQGSC	2263.6	4.14	3	1	5500	107
PLVFIAKSDEWYQQEWLGSC	2434.7	4.14	3	1	13980	78
PQAEQLFNFVERLDSNAGSC	2191.4	4.14	3	1	0	83
QAWDAKQNSTLELNNEGSC	2195.3	4.14	3	1	5500	49
QEYMMLKTSMGIFTLDEGSC	2284.6	4.14	3	1	1490	58.5
QVMQQISEKDGIVMNEAGSC	2167.4	4.14	3	1	0	73
SKMPETMNAWNMWETPDGSC	2315.5	4.14	3	1	11000	5
VDLFEGPIAQTFAAETKGSC	2084.3	4.14	3	1	0	68.5
ADNYEETFPEAYDGHHWGSC	2328.3	4.17	5	0	8480	10
DFDTEFQEV PENPRNHVGSC	2320.4	4.17	5	1	0	29
DQTHLEFFEERTPDTGNGSC	2283.3	4.17	5	1	0	19.5
DVADEAADKL RWD PDKTGSC	2192.3	4.17	6	3	5500	49
GAIEYLDHHMEVDATESGSC	2164.3	4.17	5	0	1490	63.5
GDHEVIDEWL TEPRYVGGSC	2262.4	4.17	5	1	6990	68
LD FEEKHTGLWGYDENVGSC	2299.4	4.17	5	1	6990	53.5
AQNADELEEYSASKHDGGSC	2111.1	4.17	5	1	1490	34.5
IDMVVFVEYDFEERHWFVGSC	2508.8	4.17	5	1	6990	63
PEMYFIDEVYWTEDRFHGSC	2524.7	4.17	5	1	8480	34
VQNWWRPEEDNEHDQTFGSC	2477.5	4.17	5	1	11000	14.5
IKYAEDMAADRLEFQEAGSC	2247.4	4.18	5	2	1490	59
SPRWEYDFPTFRE AEDTGSC	2393.5	4.18	5	2	6990	5
TDEAERFTPFDYEW RPSGSC	2393.5	4.18	5	2	6990	5
TPYKDEESIGMQERFDIGSC	2305.5	4.18	5	2	1490	39
VADRKLVEAEEDATATTGSC	2066.2	4.18	5	2	0	68.5
ARDEQDVILLSVRGLEEGSC	2189.4	4.18	5	2	0	112
KESREITYLDIFDEYVAGSC	2338.5	4.18	5	2	2980	78
ADPLASIFPMSPHDYFYGSC	2218.4	4.2	2	0	2980	49
ADVDMGWLFHWSIGGGQGSC	2123.3	4.2	2	0	11000	58.5
DDQLANQILMQHWIQLGSC	2300.5	4.2	2	0	5500	102.5
DDTAANMHNLPANSWQGGSC	2089.2	4.2	2	0	5500	34.5
DFAHGVFNTMYQWMDPIGSC	2319.6	4.2	2	0	6990	39
DMAHIPSGTWAMLYFDPGSC	2199.5	4.2	2	0	6990	49

DPSDPMFIQHSMNGVWWGSC	2294.5	4.2	2	0	11000	34
DPSVFGNMMQHNGWDPWGSC	2265.4	4.2	2	0	11000	14.5
FGPYHNQNVYFDTDLPGSC	2287.4	4.2	2	0	2980	53.5
GAINGQWAHGGNQDTQDGSC	2016	4.2	2	0	5500	29.5
GFHDDSIQNPTSFMLGTGSC	2114.2	4.2	2	0	0	39
GIGDHMMDGTMMVPAPVGSC	2006.3	4.2	2	0	0	53.5
GNDYDNWLMGNLQLPVHGSC	2233.4	4.2	2	0	6990	73
GQLSAMDHAWPVNFGYDGSC	2155.3	4.2	2	0	6990	44
GVNMDHDMWYAYYSIISGSC	2312.5	4.2	2	0	9970	58.5
IWNNVFPLDWIPVSHMDGSC	2330.6	4.2	2	0	11000	87.5
LGDFTSVIATHAMDNMTGSC	2071.3	4.2	2	0	0	63.5
LMTHDWVADLQLWYPWQGSC	2449.7	4.2	2	0	17990	78
LPNNHAFDLLQATDMPYGSC	2207.4	4.2	2	0	1490	68.5
LTHSSNFPDDVLVTLQIGSC	2146.4	4.2	2	0	0	107
LTVNWNGLWFDHFLGDGSC	2280.5	4.2	2	0	11000	87.5
MFMGYQMTDWIDPYSHAGSC	2340.6	4.2	2	0	8480	24.5
MTNYVISTHVDPNDAWWGSC	2296.5	4.2	2	0	12490	53.5
MVSSDPWHFQDAAAMNTGSC	2155.3	4.2	2	0	5500	29.5
PGNGYTHDSNPVDQTNFGSC	2110.1	4.2	2	0	1490	14.5
QDNNSHADVVPFMIQPGSC	2173.3	4.2	2	0	0	53.5
QTPDVTDIWFAHTVNGYGSC	2211.3	4.2	2	0	6990	53.5
QTVGALHMDADVYPVNFGSC	2124.3	4.2	2	0	1490	73
QVFTYISGWPVLDHNFDBGSC	2285.5	4.2	2	0	6990	68
SDNQSQYPILDNGPMHVGSC	2162.3	4.2	2	0	1490	53.5
SHDVIAQLAGMWMDNNTGSC	2150.3	4.2	2	0	5500	63.5
TELAEPISODEPELHFREGSC	2273.4	4.2	6	1	0	63.5
TNAVYIPDIWPDFSPHFGSC	2266.5	4.2	2	0	6990	58.5
VDQFGANDSYTQAHNSIGSC	2114.1	4.2	2	0	1490	44
VHIWVDFDIWWQAAILVGSC	2358.7	4.2	2	0	16500	131.5
WDQSAPNNMATDGGHNMGSC	2093.2	4.2	2	0	5500	10
YDIGDSHWYYASAYTWPGSC	2342.4	4.2	2	0	16960	29.5
SVDLTWPGDGFALHMLGGSC	2063.3	4.2	2	0	5500	78
TMFADDLAVQPTWYHLVGSC	2254.5	4.2	2	0	6990	78
ADDSVPVGSRVTYAPIWGSC	2080.3	4.21	2	1	6990	73
ADFQRDIWWVPMWNAQAGSC	2381.6	4.21	2	1	16500	49
ANLMVYPTRGLLFDDISGSC	2172.5	4.21	2	1	1490	97.5
AYVFNTNRNTNAVDDSMVGSC	2164.3	4.21	2	1	1490	53.5
DAKIIILYAALSLYQIDGSC	2170.5	4.21	2	1	2980	151.5
DDNIQSTKTNAILTSPIGSC	2078.2	4.21	2	1	0	83
DDPVGLPPMIMNVMTSKGSC	2092.4	4.21	2	1	0	68
DDTLSFHDNWIELQYGHGSC	2337.4	4.21	4	0	6990	58.5
DGFVNKPGTTQDMFVPTGSC	2101.3	4.21	2	1	0	29
DGGYRTIVSQDFGSMMMSGSC	2098.3	4.21	2	1	1490	34
DNDWNRLMTWQQIAPIYGSC	2411.6	4.21	2	1	12490	63.5
DPWIAIMIAMPARDYWIGSC	2309.7	4.21	2	1	12490	93
ESGFQDANMDHTTGDHAGSC	2080.1	4.21	4	0	0	10
FFGLLGSKDAIFTDTFTGSC	2127.4	4.21	2	1	0	63.5
FGVIDQDAARQGNFLMAGSC	2100.3	4.21	2	1	0	68.5
FLQYDPGDNKNVYQMGGGSC	2193.3	4.21	2	1	2980	34
FLYLPSIRWGDQMTVPDGSC	2285.6	4.21	2	1	6990	73
FTDNMRDLAGVVYPSQLGSC	2173.4	4.21	2	1	1490	73
GDTVMLYMKQTYLFADYGSC	2306.6	4.21	2	1	4470	58.5

GFTFFFSWDYSDMAPKGGSC	2250.4	4.21	2	1	6990	5
GGLQVSRTYGPQDWNQDGSC	2168.2	4.21	2	1	6990	34
HAHFDFDPDFAMNEYGMGSC	2291.4	4.21	4	0	1490	10
HHDQSISEDPDMMMSGQTGSC	2162.2	4.21	4	0	0	19.5
IFAVGMNGFFYQLADKDGSC	2183.4	4.21	2	1	1490	63.5
ISPTIAVYDWTNRDTFYGSC	2309.5	4.21	2	1	8480	58.5
IVFLVTPRDFDAGPIVVGSC	2105.4	4.21	2	1	0	121.5
KADMVSPNPPTDPPGFGSC	2014.2	4.21	2	1	0	19.5
LIGRMGPQNFNLQADDPGSC	2133.3	4.21	2	1	0	63.5
LKVNIIFIDPWDPLSPYGSC	2277.6	4.21	2	1	6990	112
LQFWQDILQDKMTFTSYGSC	2411.7	4.21	2	1	6990	58.5
LYSIFVIDSWMKDSVIVGSC	2262.6	4.21	2	1	6990	121.5
MDQDDGEGVIGHFHPILGSC	2127.3	4.21	4	0	0	73
MDRGMSMMDMYNNNGVVGSC	2212.5	4.21	2	1	1490	29
MVFGKDFNGDYWGFMISGSC	2261.5	4.21	2	1	6990	34
NARTWYWSDPQDSPAIGSC	2285.4	4.21	2	1	12490	29.5
NIFQRLYLDYYYWDAAMGSC	2492.8	4.21	2	1	11460	68.5
NIIVSFIMFVTDYKDGYGSC	2272.6	4.21	2	1	2980	87.5
NYYDDQLPGVNWKQVWIGSC	2385.6	4.21	2	1	13980	68
PDATPFMGPWMWPRADGGSC	2050.3	4.21	2	1	5500	10
PMQKMVPWMGDVADIGFGSC	2169.5	4.21	2	1	5500	53.5
PPMQMAQALVDRPDLQGSC	2204.5	4.21	2	1	0	63.5
PPNDKQVWNYDVSIGVGGSC	2135.3	4.21	2	1	6990	63
PTDVPPQHPGVNDHDEGSC	2100.2	4.21	4	0	0	43.5
PYLMDKSSSDIPYMYQGSC	2284.6	4.21	2	1	4470	53.5
QAAQIDPTLVGDPPKQAGSC	1996.2	4.21	2	1	0	68.5
QDIYQWGIDMFPVTLLKGSC	2314.7	4.21	2	1	6990	92.5
QDMWPAPMYSLQKLDQSGSC	2285.5	4.21	2	1	6990	44
QDNVIPDVWPVNFVYRQGSC	2334.5	4.21	2	1	6990	63
QDWDNMNKAMIIGITGWGSC	2240.5	4.21	2	1	11000	63.5
QIAQGDALWYYIDTRIYGSC	2336.6	4.21	2	1	9970	88
QNGDFMGTKPTSGNFYDGSC	2126.2	4.21	2	1	1490	0
QNSMMNTIDIKTADFNTGSC	2191.4	4.21	2	1	0	44
QTIKPPMNTDPMMQFQDGSC	2269.6	4.21	2	1	0	19.5
QWTRQLIFMWYVADDNLGSC	2446.7	4.21	2	1	12490	78
RLYQLDIQQPMNWIDLVGSC	2392.7	4.21	2	1	6990	112
RNWDMSIWGPALNWW DAGSC	2365.6	4.21	2	1	22000	49
RPDSYIYSQAIYDQMGMGSC	2285.5	4.21	2	1	4470	44
SKTYFVQNNYSDPLVTDGSC	2238.4	4.21	2	1	2980	48.5
SNDLIMLDQMGLMKWMIGSC	2286.7	4.21	2	1	5500	97.5
SNKVITGDDNMVYNMGYGSC	2168.4	4.21	2	1	2980	48.5
SPFDIDLQKVFNTYQYPGSC	2322.5	4.21	2	1	2980	53.5
SRLLSYFAQDLPAVAYGSC	2176.4	4.21	2	1	2980	88
SRSIGMADLFMNQIMYDGSC	2239.5	4.21	2	1	1490	63.5
STNMFQRDQAMDWLMWMGSC	2438.8	4.21	2	1	11000	24.5
TDSNAFVVDSNFANKFGGSC	2080.2	4.21	2	1	0	39
TNDKMGANDVSYSSYIGSC	2113.2	4.21	2	1	2980	39
VAYTDVPVVYLDTKIVSGSC	2129.4	4.21	2	1	2980	116.5
VDNDMWFIWVGAMLRSGSC	2300.6	4.21	2	1	11000	92.5
VDWQTQNGKIMQSNDGAGSC	2139.3	4.21	2	1	5500	39
VLRLPDVLPWGVVYTDGSC	2254.5	4.21	2	1	8480	102
VNTPWDPMFLTQRATDQGSC	2267.5	4.21	2	1	5500	39

VSKWWYPANGQDSTDIQGSC	2242.4	4.21	2	1	12490	39
WFSSADWNPQFMNDRMLGSC	2392.6	4.21	2	1	11000	24.5
WGYIQYGIYFDDTMQVKGSC	2374.6	4.21	2	1	9970	53.5
WQVWDMIWQFWSTDRWAGSC	2588.9	4.21	2	1	27500	39
WYMFVPRIDWDIALYNFGSC	2496.8	4.21	2	1	13980	78
YIFYMMWIPMQTIMDKDGSC	2473.9	4.21	2	1	8480	58.5
YLTWGRPQWTDIQMLMDGSC	2401.7	4.21	2	1	12490	58.5
YMILNAIWDNVDISWKNGSC	2342.6	4.21	2	1	12490	97.5
YTMTGNADDVGSYKFTYGSC	2180.3	4.21	2	1	4470	19.5
AMDQATTAQADMVLYQKGSC	2132.4	4.21	2	1	1490	54
AYDLGQRIFDYIYNFVVGSC	2343.6	4.21	2	1	4470	92.5
DQFFATDWLWRTITAFWGSC	2451.7	4.21	2	1	16500	49
DQSGQPMCKYVAISPLTGSC	2097.3	4.21	2	1	1490	58.5
DTLYKNPMDIQTQTWQNGSC	2343.5	4.21	2	1	6990	39
FDIYAFFTDGGYFVKPTGSC	2235.5	4.21	2	1	2980	39
FDMLFKDSYIWGMTIMFGSC	2392.8	4.21	2	1	6990	58.5
FGALGTMPDKDWLQMYLGSC	2233.6	4.21	2	1	6990	63.5
FKTDISMSAVGIVQGDNGSC	2029.2	4.21	2	1	0	73
GADAYMFTNDTPNISRVGSC	2119.3	4.21	2	1	1490	44
HDHIYDSQDNVSNLELIGSC	2259.3	4.21	4	0	1490	92.5
IKSTAVGNSYDWYDSQYGSC	2244.3	4.21	2	1	9970	39
IRFILVNWQTSIDVWDFGSC	2399.7	4.21	2	1	11000	107
KPMTYFDDYYYSPQATGSC	2334.5	4.21	2	1	5960	5
LPWTFWGDVLDWNTVLRGSC	2365.6	4.21	2	1	16500	87.5
MDDDEHIMPIQIGGHTMGSC	2187.4	4.21	4	0	0	58.5
MSGIDSNLAWVDAWRGSC	2186.4	4.21	2	1	11000	63.5
NGYMWTFFFSDGARDLLGSC	2287.5	4.21	2	1	6990	44
PAIFLDKYIGDLLWAYAGSC	2216.5	4.21	2	1	8480	112.5
PDSQSIFTMDAPPPPKIGSC	2088.3	4.21	2	1	0	44
PFTDGPWSQTKWAGDLVGSC	2152.3	4.21	2	1	11000	39
PLRNWDPSIDGLQYMITGSC	2266.5	4.21	2	1	6990	78
SKDMTAINMFDYPIQPMGSC	2249.6	4.21	2	1	1490	44
SLIYVQTDSYDLYMTIKGSC	2300.6	4.21	2	1	4470	92.5
SPLGNIPSSDPGPRFPDGSC	2000.1	4.21	2	1	0	39
TTTSPITFVINRDVDPGGSC	2080.3	4.21	2	1	0	68
VQYAMADDWTRMAFMVSGSC	2269.6	4.21	2	1	6990	44
YQDRSWWAADWAYYNLVGSC	2454.6	4.21	2	1	20970	49
YWPDDFDIIVMQYRLINGSC	2480.8	4.21	2	1	8480	92.5
ALMDHGEFAINLWDRPDGSC	2247.4	4.22	4	1	5500	68.5
DGWIGMDHWSEDQRYANGSC	2327.4	4.22	4	1	12490	24.5
DPDHWISIYFVRPSFEMDGSC	2388.6	4.22	4	1	6990	34
GDPIDTPPFGEVWHKADGSC	2128.3	4.22	4	1	5500	39
GYRGGSMQDDVQQIDHEGSC	2182.2	4.22	4	1	1490	34
HLDPDLESADWVRAQFTGSC	2247.4	4.22	4	1	5500	63.5
HSVEQQDDNSSDQWMRTGSC	2310.3	4.22	4	1	5500	14.5
HTDAYDDEGNLAPAARNGSC	2077.1	4.22	4	1	1490	39.5
HTSDTFDSEPDAIKSSTGSC	2085.1	4.22	4	1	0	24.5
LGKDLLTDADMHPLWEGGSC	2158.4	4.22	4	1	5500	83
LKGQDDMTHWDNHDTEEGSC	2318.3	4.22	6	1	5500	19.5
LMMTDHDETFWQMWRVDGSC	2488.8	4.22	4	1	11000	34
LVFEDEDYDVKGYSQSHGSC	2262.4	4.22	4	1	2980	68
QPYFDWDRDHFPEMFTGSC	2491.7	4.22	4	1	6990	19.5

TFQARVWDASELDPDLHGSC	2247.4	4.22	4	1	5500	63.5
WISWDYDLKHEGTQDWFGSC	2473.6	4.22	4	1	17990	39
WVSAANVHDLEDSRYWDGSC	2310.4	4.22	4	1	12490	58.5
DNFPYADEAFDSHRVAAGSC	2172.2	4.22	4	1	1490	34.5
DYEFGRNFYDDNITALHGSC	2337.4	4.22	4	1	2980	44
EDQVLNVNLHMDSRDYMGSC	2326.5	4.22	4	1	1490	68
FIHDDTFSKVDSTIETMGSC	2233.4	4.22	4	1	0	53.5
PKTFDHLDAWDNVEVSYGSC	2283.4	4.22	4	1	6990	53.5
QADWVIDDRIPEVIHSPGSC	2237.4	4.22	4	1	5500	92.5
YKSQATHELDNDDNLYTGSC	2274.3	4.22	4	1	2980	44
DDQRRGSLSEDYNQGYNGSC	2264.2	4.23	4	2	2980	19.5
DDSNKEVFRSSPFLYDGGSC	2223.3	4.23	4	2	1490	34
DIEDWLAMRFQNRLLDSGSC	2369.6	4.23	4	2	5500	83
DKSQIWVEVDDTSSGTKGSC	2142.2	4.23	4	2	5500	48.5
DNLDEWRTYYRWMIINDGSC	2550.8	4.23	4	2	13980	58.5
DPRFAALDRANDLWEWAGSC	2293.5	4.23	4	2	11000	59
DQWGLMTDPDNIWRERNGSC	2393.5	4.23	4	2	11000	39
GDYLFPSRFEVKNSSDDGSC	2223.3	4.23	4	2	1490	34
GLMFDRFYWREDNDAWWGSC	2554.8	4.23	4	2	17990	24.5
KDVQDPEVRLDSWQSPYGSC	2309.4	4.23	4	2	6990	48.5
KTRAELVQQQMFWDGSC	2385.6	4.23	4	2	5500	39
LPFDQDLSTDAKVWRFEGSC	2314.5	4.23	4	2	5500	58.5
MKDSRWLILNDNSDEIGSC	2382.6	4.23	4	2	11000	78
MRELSQDDNYPMLRFFGSC	2424.7	4.23	4	2	1490	39
NYNDKFEDYYWDTKSLFGSC	2495.6	4.23	4	2	9970	19.5
PWKNDYKDWDEPFLTNQGSC	2443.6	4.23	4	2	12490	19.5
QERDEDPQYDFAMKRPDGSC	2387.5	4.23	6	3	1490	5
QNNGFRQKFDSQDGEDQGSC	2260.2	4.23	4	2	0	0
QNTLFPEDWDKYDNKWPGSC	2443.6	4.23	4	2	12490	19.5
RDQKDIMSADQMPEVANGSC	2195.4	4.23	4	2	0	44
TVVWAEKWKLADDTIFDGSC	2284.5	4.23	4	2	11000	78
WDGYQEDFGDAKPKIQTGSC	2245.4	4.23	4	2	6990	24.5
WDKFRWEVMQQDITTDNGSC	2459.6	4.23	4	2	11000	34
YKSSGDAWIVSDVVDREGSC	2173.3	4.23	4	2	6990	68
DAWVYLRLGLDEMYWGDRGSC	2392.6	4.23	4	2	13980	58.5
DSWERDNYQYAIIDYISKGSC	2413.5	4.23	4	2	9970	44
DWMRKPDFYDYAVEWANGSC	2453.6	4.23	4	2	13980	24.5
NDETTWPWDRNANDKWILGSC	2335.4	4.23	4	2	11000	44
NQSGDWMEDRKNVDVAVMGSC	2242.4	4.23	4	2	5500	34
QVYLDMGKLERDTPAPSGSC	2185.4	4.23	4	2	1490	58.5
SRQELNWDKYWDPDMISGSC	2430.6	4.23	4	2	12490	39
TDTGDMQKSEDQPIRGYGSC	2188.3	4.23	4	2	1490	19.5
AGEHVLELMAELLWMLGGSC	2159.5	4.24	3	0	5500	122
EGGMLEAQGELHYLFLQGSC	2182.4	4.24	3	0	1490	83
EHVEALSAPMPGVEMYLGSC	2120.4	4.24	3	0	1490	78
FPPFVSMEEEGQTLHWTGSC	2282.5	4.24	3	0	5500	34
FPWAWNEISVETHEAWFGSC	2396.6	4.24	3	0	16500	44
GEWSHFTNVAPPEELYGGSC	2180.3	4.24	3	0	6990	39
IISELTSEENQLGFPWHGSC	2247.4	4.24	3	0	5500	78
LFTEEWYQPLHENFYVNGSC	2476.7	4.24	3	0	8480	53.5
LYELYLEYFMMWLEHTFGSC	2575.9	4.24	3	0	9970	78
NEWGMVSSGPHAAELNEGSC	2075.2	4.24	3	0	5500	44

PEMTLVEQGYFLFHSEIGSC	2287.5	4.24	3	0	1490	73
QEEPWAWEFATHDSPHEGSC	2343.4	4.24	5	0	11000	10
YLSTSMEEQEQVHGNWVGSC	2313.4	4.24	3	0	6990	34
YSEEEPWGSYIMLLMFHGSC	2379.7	4.24	3	0	8480	58.5
YTEIEPEVMSPHLLMLLGSC	2262.6	4.24	3	0	1490	112
GQQHGTNEMTPQEETNAGSC	2119.1	4.24	3	0	0	5
IGEAHETAGMEVGQSATGSC	1935	4.24	3	0	0	49
EEKAREPDYDEHMSIEYGSC	2388.5	4.25	7	2	2980	24.5
EEQQYVEVKETPDWNKWGSC	2455.6	4.25	5	2	12490	29
EGEDTEGKSKLEGEDTGSC	2099.1	4.25	7	3	0	19.5
EGEDTEGKSKTEGEDTGSC	2087.1	4.25	7	3	0	0
EPQAPESGGEQFRLISSGSC	2079.2	4.25	3	1	0	44
ESETKVTVTGGALETLVGSC	2025.2	4.25	3	1	0	87.5
ESREELVNTQGWTNIQTGSC	2252.4	4.25	3	1	5500	53.5
EVQEYEV PW EKDRGSLGSC	2324.5	4.25	5	2	6990	68
GMWWFN NVKEEFWYEQPGSC	2537.8	4.25	3	1	17990	14.5
IAREENPPPPMPQQEWNGSC	2280.5	4.25	3	1	5500	24.5
IEFQETFENFTILIRNPGSC	2358.6	4.25	3	1	0	78
LAMNWKMPMFEEIEVSGSC	2365.7	4.25	3	1	6990	58.5
MKAGLFTA EYEENWMVYGSC	2329.6	4.25	3	1	8480	44
MSKWQSEMALIYELEYVGSC	2367.7	4.25	3	1	8480	78
NVWPEENFEMYKAANPPGSC	2283.5	4.25	3	1	6990	24.5
NWNEGGISERIFEGAQPGSC	2151.2	4.25	3	1	5500	44
PEIFWEEPESGKAVDHIGSC	2230.4	4.25	5	1	5500	58.5
PEVMERYEFWPATYVNWGSC	2464.7	4.25	3	1	13980	34
PHESQVLDMQWLEREEYGSC	2436.6	4.25	5	1	6990	53.5
PKSPNIEWNELFLNFMEGSC	2355.6	4.25	3	1	5500	58.5
PTTVNSQGLRIEEAEMQGSC	2150.3	4.25	3	1	0	58.5
SEAWIPGAIMVPRETAEGSC	2104.3	4.25	3	1	5500	68.5
SIPEMGKEYQYEIYLITGSC	2324.6	4.25	3	1	4470	78
SRADEDMEKMREEPEWNGSC	2399.5	4.25	7	3	5500	5
TMSWIENLEAVRNTGEYGSC	2260.4	4.25	3	1	6990	58.5
TVGVTEEYKNPFETWIAGSC	2231.4	4.25	3	1	6990	53.5
VGQRIVWLNEENFLETQGSC	2322.5	4.25	3	1	5500	87.5
YMNEEVIFQFRSGNENPGSC	2321.5	4.25	3	1	1490	34
YMQAWKVEFSWLISEEQGSC	2421.7	4.25	3	1	12490	58.5
ENYRTLRLWEDWEFEMYPGSC	2611.8	4.25	5	2	13980	19.5
ESQNELKYVNIPVEILTGSC	2236.5	4.25	3	1	1490	107
EVNFTGWMYQE QEMGRIGSC	2365.6	4.25	3	1	6990	34
FEMDLEFEAKRPENMFQGSC	2408.7	4.25	5	2	0	24.5
KDEAEETLG YVMGKMESGSC	2164.4	4.25	5	2	1490	39
LFPESEMKESELDMNYRGSC	2365.6	4.25	5	2	1490	39
MSDRAEEPIQEGMVFREGSC	2271.5	4.25	5	2	0	39
PISFIGNNERGWEEYFMGSC	2336.5	4.25	3	1	6990	39
QTQESVVTKLIFEENPPGSC	2206.4	4.25	3	1	0	68
VEARAPFEGFEMTVWPVGSC	2212.5	4.25	3	1	5500	53.5
YEEGAKTRSELEFTDPWGSC	2305.4	4.25	5	2	6990	24.5
AERDMMRAPHYDEDEWNGSC	2412.5	4.29	6	2	6990	10
EDFPVEAEKHDWTQMDHGSC	2361.5	4.29	6	1	5500	19.5
DDEWLVEELDHMLRRPPGSC	2397.6	4.29	6	2	5500	73
HGSGEPDL DGN YEFHSQGSC	2136.1	4.3	4	0	1490	19.5
ISLIAMDIIHFLGEGDEGSC	2144.4	4.3	4	0	0	102.5

NHWEGHDPAWSIYDLEYGSC	2379.5	4.3	4	0	13980	44
NLPMNNYEHWDHSHDESAGSC	2306.3	4.3	4	0	6990	24.5
SEFWEHVFNHDDWVIVGSC	2434.6	4.3	4	0	11000	63
WHDMFQFSPSIYEEHFDGSC	2462.6	4.3	4	0	6990	19.5
YSMDFEQDHYHATPEANGSC	2302.3	4.3	4	0	2980	10
YVGDEDGAWWHTHQEIFGSC	2337.4	4.3	4	0	12490	39
AGLGADSLVIHLEDHEQGSC	2051.2	4.3	4	0	0	102.5
DNPLGEDVYYEIQVHNHGSC	2289.4	4.3	4	0	2980	68
PPHPHEDAFAGDNGMEGGSC	2025.1	4.3	4	0	0	10
PVYQHIHGVDEDLFEQVGSC	2272.4	4.3	4	0	1490	82.5
DLGDNQYPIKEFPSEHAGSC	2207.3	4.31	4	1	1490	44
DMGHWNNVTSADSEKTGSC	2168.2	4.31	4	1	5500	19.5
DTFWQFEKYPEYNMHMDGSC	2528.7	4.31	4	1	8480	0
EGEDTEGKKSKEEGEITGSC	2113.1	4.31	7	3	0	19.5
EGEITEGKKSKEEGEDTGSC	2113.1	4.31	7	3	0	19.5
ELQVRVDMNDHQYYEFGSC	2432.6	4.31	4	1	2980	63
FFDAALNEPEGGVGKDHGSC	2050.1	4.31	4	1	0	44
HNQVYDMEMFAGERNIDGSC	2316.5	4.31	4	1	1490	39
HPGLDTTGEDAPVREAAGSC	1983.1	4.31	4	1	0	49
HYGWENLEIGDPAADKFGSC	2209.3	4.31	4	1	6990	49
IALELHYFGVDELTRNGSC	2252.4	4.31	4	1	1490	97.5
IDNRTDYLEHAATENASGSC	2167.2	4.31	4	1	1490	54
IISEAHRSPSPDPNYYEGSC	2240.3	4.31	4	1	2980	44
MHTSLKDQQEQENGAIDGSC	2191.3	4.31	4	1	0	44
NVKITGQPEGDDHATVGSC	2057.1	4.31	4	1	0	53.5
PDIRFVEIMGADGWQHEGSC	2247.4	4.31	4	1	5500	58.5
PRAEWEDHAIYDQMQQWGSC	2450.6	4.31	4	1	12490	29.5
PRWALSELFQTDDEHYFGSC	2401.5	4.31	4	1	6990	44
QETMSDEDHSSAPGVKNGSC	2079.1	4.31	4	1	0	19.5
QEVAVMFMHEKDTSYMDGSC	2308.6	4.31	4	1	1490	34
QFHQWLIPINSKKEEDVGSC	2345.5	4.31	4	1	5500	73
QQEIHLSDDVKPTWETGGSC	2230.3	4.31	4	1	5500	53.5
SYQDEFNPRHWLELDQNGSC	2438.5	4.31	4	1	6990	39
DMQPEHEANNWDNQKTAGSC	2275.3	4.31	4	1	5500	10
SLEQEYQPAHWDKFWPDGSC	2423.6	4.31	4	1	12490	24.5
DELGVELMDSRWNNIMKLGSC	2296.6	4.32	4	2	5500	92.5
DEMIVYNVFDKIERSTVGSC	2305.6	4.32	4	2	1490	82.5
EAVIFQMKMEWHENEIEGSC	2410.7	4.32	5	1	5500	58.5
EDDIRVFIWRLPGFFIEGSC	2399.7	4.32	4	2	5500	92.5
EDGRVQNVMESPADKSIGSC	2122.3	4.32	4	2	0	53.5
EDLYEMVPKDNRIILNPGSC	2306.6	4.32	4	2	1490	92.5
EEEGHVIFIGNRMPFEEGSC	2280.5	4.32	5	1	0	53.5
FFFERLLYEDWRPNVYDGSC	2556.8	4.32	4	2	8480	53.5
FMNLSEAKAGDEMKGKDVGSC	2089.3	4.32	4	2	0	44
FVDMGRDWIEEMVMRWAGSC	2418.8	4.32	4	2	11000	53.5
GMYPDENWWRDYRILNPEGSC	2504.7	4.32	4	2	13980	39
IGQAKSVEEVLPRDGDAGSC	2031.2	4.32	4	2	0	78
KIMPFNSTESKMADEMDGSC	2221.5	4.32	4	2	0	24.5
LAEKQEQQKFDLMIWVDGSC	2297.6	4.32	4	2	5500	78
LGQEPALKERWAVYDFDGSC	2284.5	4.32	4	2	6990	63.5
MNPQYWWEWRDDMPAKYEGSC	2506.7	4.32	4	2	13980	5
NEDLDEMAAPYRRPLVQGSC	2264.5	4.32	4	2	1490	63.5

NKNIEVRDIQDLEPLANGSC	2228.4	4.32	4	2	0	97.5
PEVVHWMTEGPSEYEEKGSC	2294.4	4.32	5	1	6990	29
PRIGADQDREEGNWVYYGSC	2315.4	4.32	4	2	8480	39
RQDRNIEFDAMAAYLENGSC	2303.5	4.32	4	2	1490	54
SQSDYEDGGENKKFQAAGSC	2121.1	4.32	4	2	1490	10
TRQRDDYNDYHDDKESEGSC	2433.4	4.32	7	3	2980	0
WEAKGWENADPKLDLPVGSC	2215.4	4.32	4	2	11000	63.5
YIVMMGEVFEDDRKCVMGSC	2312.7	4.32	4	2	1615	63
YPANQDKGEGDFQMTERGSC	2233.3	4.32	4	2	1490	5
ESRQTMEDYDQTSLASKGSC	2236.3	4.32	4	2	1490	24.5
GQEDWTLNGKNMEKDPPGSC	2206.3	4.32	4	2	5500	19.5
PNQIRLRQEDLPMEDNMGSC	2346.6	4.32	4	2	0	58.5
RDFEALGFKEQIQDWTMGSC	2361.6	4.32	4	2	5500	44
RKIVSMSEESIYDDNSMGSC	2251.4	4.32	4	2	1490	53.5
SREDKDSNDQRKDEQDSGSC	2299.2	4.33	7	4	0	0
LENEMREEEVYNLLRMGGSC	2372.6	4.33	5	2	1490	73
AFESTHWDLDSLYRDRGSC	2373.5	4.35	5	2	6990	44
AGTDNAFLWVQHNEANYGSC	2197.3	4.35	2	0	6990	49
AHQNLWQDILGPYGTGEGSC	2146.3	4.35	2	0	6990	63.5
AMLPEMFIQWHMWDIINGSC	2422.8	4.35	2	0	11000	83
AQISFGHSDFFLTYYEWGSC	2296.5	4.35	2	0	6990	44
AWTSVHPDAEQTYTIPGGSC	2120.2	4.35	2	0	6990	44
DFILSVTNPQNFHEPALGSC	2189.4	4.35	2	0	0	78
DGAPMESNMNHWQPTLWGSC	2261.4	4.35	2	0	11000	24.5
DSIMEVANTVSVNMAHMGSC	2096.3	4.35	2	0	0	73
DSWLSIIISGWTQGYHEGSC	2239.4	4.35	2	0	12490	78
ESPIHVMAQDFSNIYGMGSC	2186.4	4.35	2	0	1490	58.5
FEFDQIYPMLHASIPPNGSC	2266.5	4.35	2	0	1490	63.5
FHFYSMFESWDTLYVSAGSC	2377.6	4.35	2	0	8480	39
FNHMPWESGDIGAIFAYGSC	2202.4	4.35	2	0	6990	49
GNTLEFDQPGWHMGFMAGSC	2185.4	4.35	2	0	5500	24.5
GWEQALWTDVSMQIMHGSC	2280.5	4.35	2	0	11000	58.5
HEYMVPQPDQTQFPPLYGSC	2337.6	4.35	2	0	2980	34
HQAEAIMVIQMFNSDIVGSC	2193.5	4.35	2	0	0	97.5
IWEYSPGMDMNGVTVHPGSC	2180.4	4.35	2	0	6990	48.5
KDVLWRIDMVDDLEIQHGSC	2372.7	4.35	5	2	5500	107
LGGPDMNNMYEIGMVHMGSC	2188.4	4.35	2	0	2980	53.5
LNEVMMHTFYSYQVFDGSC	2384.7	4.35	2	0	2980	68
LPMSWSYMIDGSEALMHGSC	2215.5	4.35	2	0	6990	63.5
LVVDEYHTLQFITSPAGSC	2181.4	4.35	2	0	1490	92.5
MANDVFHPYTVWEQLQMGSC	2356.6	4.35	2	0	6990	53.5
MATTIYADHWGPNNQETGSC	2196.3	4.35	2	0	6990	29.5
MEPMNTGNPPHDPVFGPGSC	2084.3	4.35	2	0	0	14.5
MLAQDMHLANTLQEFTFGSC	2257.5	4.35	2	0	0	68.5
NDILESHTFGLVISFLTGSC	2153.4	4.35	2	0	0	112
NEHMNDNMVYSIQMIIMGSC	2330.7	4.35	2	0	1490	73
NIYPSLHQFIEDQYYYFGSC	2487.7	4.35	2	0	5960	58.5
NYEFIATTGDMWFHTMNGSC	2325.5	4.35	2	0	6990	24.5
PDHNMVFPYNGETMWQMGSC	2344.6	4.35	2	0	6990	14.5
PEDVAIPSHWPSVPVYGGSC	2097.3	4.35	2	0	6990	68
PGQWGILQGVAPPAHDEGSC	2019.2	4.35	2	0	5500	63.5
PLIWFITTFSEGDPHYQGSC	2298.5	4.35	2	0	6990	58.5

PLQGVNMLGHTEPQAVDGSC	2053.2	4.35	2	0	0	73
PMDEGFAQIAHQALINAGSC	2073.3	4.35	2	0	0	78.5
QDDSRSEDINYLRMMDHGSC	2372.5	4.35	5	2	1490	39
QDFHNLQINEMAMSGNAGSC	2167.3	4.35	2	0	0	49
QMFHQIWTNQESLSIDPGSC	2321.5	4.35	2	0	5500	58.5
QYIDQWAVSGHAQASEMGSC	2168.3	4.35	2	0	6990	49
SADWSETIAAFSTNAYHGSC	2118.2	4.35	2	0	6990	39.5
SAMNVMDMTETLLMHQTGSC	2200.5	4.35	2	0	0	58.5
SHWYFYPQWEGSTPDLLGSC	2373.5	4.35	2	0	13980	39
SQEDRDWMEEAKEPPSGSC	2318.4	4.35	6	2	5500	5
STAINVITTNVHMMPDEGSC	2120.4	4.35	2	0	0	73
SWYSFHQMFWSPEWVFGSC	2526.7	4.35	2	0	17990	14.5
TAHYRRDMDLINDDWGEGSC	2354.5	4.35	5	2	6990	44
TDLEAWHSPVYIFTMMIGSC	2301.6	4.35	2	0	6990	78
TLVILINYYSHSSYEDMGSC	2295.5	4.35	2	0	4470	92.5
TPQFDGIGIMIQQIELHGSC	2187.5	4.35	2	0	0	97.5
TVDINVGMAAPHEPTSGGSC	1943.1	4.35	2	0	0	58.5
VDVTATMLNHQSVFMGEGSC	2126.4	4.35	2	0	0	68
VDWGNLFEPIGHVPTIAGSC	2112.3	4.35	2	0	5500	92.5
VMEIDVYVPNPWHGFFGGSC	2254.5	4.35	2	0	6990	63
VPDQPTTVYTEVLFSYHGSC	2243.4	4.35	2	0	2980	63
VTGTEGQWDGYPLWHLFGSC	2253.4	4.35	2	0	12490	53.5
VVQEAYVIPAGDPLPHGSC	2065.3	4.35	2	0	1490	112
VYANEHVWYVPPFALDSQGSC	2285.5	4.35	2	0	8480	73
WAPNMSDMVASMHYMNEGSC	2261.5	4.35	2	0	6990	24.5
WNEPSMSMGGFMGHWDVGSC	2215.4	4.35	2	0	11000	14.5
WPFSHPFTEWGSFADGGGSC	2172.3	4.35	2	0	11000	5
YHIESQYIVYWDGWFPFGSC	2497.7	4.35	2	0	15470	53.5
YQGLYHLQSQAYTGGEDGSC	2177.2	4.35	2	0	4470	44
YTDDGQWDWADRYEKFHGSC	2479.5	4.35	5	2	13980	5
YVFHIPEYMTTSDNTTVGSC	2265.4	4.35	2	0	2980	48.5
YVMSNIVPVHLAFEDTWGSC	2268.5	4.35	2	0	6990	87.5
AAGMWEFWAYHFAPVDFGSC	2292.5	4.35	2	0	12490	34.5
AGLFSWWADQYTTHPFEGSC	2303.4	4.35	2	0	12490	29.5
AVVVSMMWVTWNDHEPTYGSC	2281.5	4.35	2	0	12490	63
DKLDLEMAHGAYDPKDNAGSC	2179.3	4.35	5	2	1490	49
EFSLSNADFSVFGWHMGSC	2220.4	4.35	2	0	5500	53.5
FQQNANAESLMQHVDIYGSC	2255.4	4.35	2	0	1490	63.5
HPQDVPHYVMQSEYWMGSC	2389.7	4.35	2	0	8480	29
HSYEFAAAFNFDIWFQFGSC	2387.6	4.35	2	0	6990	34.5
LMVLFISLANYLQFHDEGSC	2300.6	4.35	2	0	1490	117
MAHQNGWFNWDASSEWAGSC	2399.5	4.35	2	0	22000	10
MWAAAQPTHEHDSQGLQYGSC	2180.3	4.35	2	0	6990	34.5
NGFDFNWPESLYHYLTLGSC	2363.5	4.35	2	0	8480	58.5
PMPQGEYYIDFIGWNWHGSC	2400.6	4.35	2	0	13980	39
PNPWLEWMHMLLWNNQDGSC	2471.8	4.35	2	0	16500	58.5
QAAAQEWMMHNPQFNVNDFGSC	2266.4	4.35	2	0	5500	29.5
SPLQMPQVAEVFDHTQGSC	2171.4	4.35	2	0	0	53.5
TVYPDLEQAHYMSGGQQGSC	2171.3	4.35	2	0	2980	39
VGIYSLNSWHETDNSNQGSC	2211.3	4.35	2	0	6990	53.5
YVMMYYADYAQWHMSNEGSC	2449.7	4.35	2	0	11460	24.5
EDDDHEQHNNENDHHNQGSC	2374.2	4.36	7	0	0	0

GQGSIWYRYDDSRDDREGSC	2365.4	4.36	5	3	8480	19.5
AEVQVMYNRVPDLINAAGSC	2150.4	4.37	2	1	1490	97.5
AGVLLKANLYNDPVMYEGSC	2157.4	4.37	2	1	2980	97.5
AQLGMYGVYRPVEIWPDGSC	2241.5	4.37	2	1	8480	73
ASTVVLAAGAKEDLAAAGSC	1805	4.37	2	1	0	103
AVVGTGPEGKMFMDSSNGSC	1974.2	4.37	2	1	0	34
AWRNWDVMSGIPLFENMGSC	2313.6	4.37	2	1	11000	58.5
DARLMAEPWLNQNTWMVGSC	2322.6	4.37	2	1	11000	63.5
DFRGSSLGIEMIFTSFTGSC	2155.4	4.37	2	1	0	58.5
DFSFNRIFGTLPEIMMNGSC	2279.6	4.37	2	1	0	58.5
DKLPTTLTMAIFIFNWEAGSC	2287.6	4.37	2	1	5500	83
DKPNQVNFVALWEVNLVGSC	2232.5	4.37	2	1	5500	102
DRINVNAQSSFAPLEVQGSC	2135.3	4.37	2	1	0	78
DSENVSVSQLQKAVSSAGSC	2060.1	4.37	2	1	1490	58.5
DTNGTELGLTTKQTPVWGSC	2108.3	4.37	2	1	5500	53.5
DVNTLKELTTPTLTMPVGSC	2120.4	4.37	2	1	0	87.5
DYAIWMPFIYWLKIENGSC	2448.8	4.37	2	1	13980	97.5
DYIPQMLQTLKWQPEWWGSC	2509.8	4.37	2	1	17990	58.5
EDLAPQSPKGTAWIIAVGSC	2043.3	4.37	2	1	5500	88
EFPYVSIAATTRILQFDSGSC	2264.6	4.37	2	1	1490	78
EGPGRQPWIMYDQVQVIGSC	2263.5	4.37	2	1	6990	68
EILLDKNNPMYVNMNSVGSC	2241.5	4.37	2	1	1490	87.5
ELQWTDYPIQTRVLLIIGSC	2348.7	4.37	2	1	6990	131.5
EVLSLMDFLNNYRYSMPGSC	2339.6	4.37	2	1	2980	73
EWMLNPKGDYVAFVSWGSC	2260.5	4.37	2	1	12490	58.5
EYFMYAAQDWAQNLRVGSC	2415.6	4.37	2	1	9970	49
EYTMFIQVQTMRSIDFYGSC	2419.7	4.37	2	1	2980	53.5
FDWIQTGWSEYVTFRMQGSC	2441.7	4.37	2	1	12490	34
FKASDWYEFNAMNAMVFGSC	2318.6	4.37	2	1	6990	29.5
FPFYQDFSEVIWFRASMGSC	2417.7	4.37	2	1	6990	39
FSWQPPTGPSGIWNEDRGSC	2221.3	4.37	2	1	11000	19.5
GFQGAGKMEMDQSFVLVGSC	2091.4	4.37	2	1	0	53.5
GGVLGMIEQLDLTKFPIGSC	2078.4	4.37	2	1	0	112
GMQFWNTGFMKIELTADGSC	2236.5	4.37	2	1	5500	44
GNVPPFDQYVRFATIEFGSC	2247.5	4.37	2	1	1490	53.5
GNWTFEPNARSLEYADAGSC	2222.3	4.37	2	1	8480	34.5
GPLLMRVDTFTFFMELSGSC	2251.6	4.37	2	1	0	73
GTGTTILADENPVLSNRGSC	2005.1	4.37	2	1	0	78
GVNRTWSMGGPWPTDEPGSC	2134.3	4.37	2	1	11000	14.5
IFEFWWTRGSVNVWFYDGGSC	2499.7	4.37	2	1	17990	48.5
IGFPNDGVITKQWETVLGSC	2164.4	4.37	2	1	5500	87.5
IGGNDEIILPMPLYMRIGSC	2192.6	4.37	2	1	1490	117
IGTAKMQDEINSGVAFSGSC	2015.2	4.37	2	1	0	63.5
IIAYDEMAVRGVAWYFYGSC	2314.6	4.37	2	1	9970	83
IKLAVIQPNTPEIAGDSGSC	2013.2	4.37	2	1	0	102.5
INYAGSAEDAGSWGARFGSC	2019.1	4.37	2	1	6990	39.5
IVTGTDSYSGPIMKFMEGSC	2123.4	4.37	2	1	1490	53.5
KENTPIYDFMYFMSQNSGSC	2362.6	4.37	2	1	2980	19.5
KGIFIDYTSWFGWAVEGGSC	2223.4	4.37	2	1	12490	58.5
KGSDPSIGLIFPFAVIEGSC	2037.3	4.37	2	1	0	97.5
KWTVDATEVNVNTNFYMGSC	2279.5	4.37	2	1	6990	48.5
LADSYNTRYTPTGNGEVGSC	2105.2	4.37	2	1	2980	39

LGEVIDKPFLNTQNVQFGSC	2209.5	4.37	2	1	0	87.5
LLYVWYAWAPADIRYLEGSC	2389.7	4.37	2	1	15470	107.5
LNGWLDGIEWQGMKLGSC	2298.6	4.37	2	1	12490	78
LQEASMMRPQYFQDVLFGSC	2350.7	4.37	2	1	1490	58.5
LSWWFWEGKQWPDFLFGSC	2499.8	4.37	2	1	22000	58.5
LVNADIWGEIAQTSVMRGSC	2150.4	4.37	2	1	5500	97.5
MDSINMRSIGLTYVYIEGSC	2252.6	4.37	2	1	2980	92.5
MDWMMFYRVWNAEAQPFQSC	2469.8	4.37	2	1	12490	24.5
MEITVIPGWSADKYFNGSC	2231.5	4.37	2	1	6990	78
MRSIYVEAGSMDFNQPLGSC	2205.5	4.37	2	1	1490	58.5
MSDWYSQYQEAFRGWQPGSC	2426.6	4.37	2	1	13980	5
NIFEFFNNGMVKIDYVIGSC	2310.6	4.37	2	1	1490	87.5
NIWIVNEGDMPSQMLKGSC	2250.5	4.37	2	1	5500	73
NKNSMNMNYPQYEGDFMGSC	2330.5	4.37	2	1	2980	0
NLWIDRGEPIWSSYVYGSC	2358.6	4.37	2	1	13980	92.5
NNYNDMYELAQNYSYWLGSC	2413.6	4.37	2	1	9970	44
NQDFFALSGMVREWIYTGSC	2324.6	4.37	2	1	6990	58.5
NQRSFSEMMMYDTGWQGSC	2357.6	4.37	2	1	6990	14.5
NSAIEVDMVGFLKQTTTGSC	2101.3	4.37	2	1	0	73
NTDTIEATWAWMARWQTGSC	2328.5	4.37	2	1	16500	34.5
NVPERLTQMVGDIQVWGSC	2260.5	4.37	2	1	5500	82.5
NVTAMSSFQRAFDEATWGSC	2208.4	4.37	2	1	5500	29.5
NWFEKWSSDPMPYGPQYSGSC	2369.5	4.37	2	1	13980	0
PIYWNQQPLRWSEMTVGSC	2410.7	4.37	2	1	12490	53.5
PLKVLLLGFGSVDAAPEGSC	1973.3	4.37	2	1	0	117
PMEGWQQKSFLNSNTDLGSC	2242.4	4.37	2	1	5500	39
PNLDEFKPFVYMYSNQYGSC	2402.6	4.37	2	1	4470	34
PPGIAVMADFAVKIELGSC	2015.4	4.37	2	1	0	102.5
PPWKVEMTGNMDSNGFQGSC	2185.4	4.37	2	1	5500	14.5
PQQERVQPYDPAIPVMYGSC	2278.5	4.37	2	1	2980	53.5
PSVGAIDGYKQVWFIEQGSC	2184.4	4.37	2	1	6990	73
PTNVTMGVKYSIEWDLLGSC	2213.5	4.37	2	1	6990	87.5
PVDGFMVVQEKGWWASIGSC	2267.6	4.37	2	1	11000	68
PVKAALLNVSAGADIQEGSC	1943.2	4.37	2	1	0	107.5
PVSDLPQEMWNWRIALWGSC	2388.7	4.37	2	1	16500	78
QDYANRAGNTPEFWYWQGSC	2393.5	4.37	2	1	13980	10
QEFDPYIPMWKATAYFTGSC	2355.6	4.37	2	1	8480	29.5
QEMMKLVNVFDYFGNNLGSC	2309.6	4.37	2	1	1490	68
QFAQQWRNNDGSQAVTEGSC	2226.3	4.37	2	1	5500	24.5
QFEMSYIKVLDANAYYVGSC	2301.6	4.37	2	1	4470	78
QFENWLQAVMGMDSVGRGSC	2215.5	4.37	2	1	5500	53.5
QKFYDTINVGTQLNIEYGSC	2293.5	4.37	2	1	2980	73
QLRPSWGWESSDWGIVGSC	2237.4	4.37	2	1	16500	53.5
QMIGFRAQNPGDNVSGEGSC	2067.2	4.37	2	1	0	39
QNPPMKYDESVLQWASNGSC	2254.4	4.37	2	1	6990	39
QRITAIYGAMDIGEAWGGSC	2099.3	4.37	2	1	6990	73.5
QYTDSPYPTENWRAWTQGSC	2350.4	4.37	2	1	13980	5
RFDEPMNAYPYSPMAWGGSC	2309.5	4.37	2	1	8480	10
SANDWRQQGSENWLQQAGSC	2265.3	4.37	2	1	11000	29.5
SESTLAKIGVLGNLYDIGSC	2040.3	4.37	2	1	1490	117
SGTTKFVDTTWENTMYIGSC	2241.4	4.37	2	1	6990	34
STGEARVAYFQSQAPDVGSC	2073.2	4.37	2	1	1490	44

STNRLTLVFPNYPETDMGSC	2245.5	4.37	2	1	1490	53.5
SYISKGIEAQMDPQNTPGSC	2126.3	4.37	2	1	1490	44
TEPNAFSVWAKMDMAAFGSC	2163.4	4.37	2	1	5500	34.5
TGSLIPLLYPQDMKEWMGSC	2269.6	4.37	2	1	6990	78
TIMEIDQLSSWAINPRPGSC	2218.5	4.37	2	1	5500	83
TNKLAFWNWETWPDMPWGSC	2469.7	4.37	2	1	22000	24.5
TQAKDGQWENYGLIQFPGSC	2242.4	4.37	2	1	6990	44
TQGPFSGRSITYEDMMPGSC	2164.4	4.37	2	1	1490	19.5
TSWTMDPNIKALIEGATGSC	2095.3	4.37	2	1	5500	68.5
TTSETGYFDAQIFLKMGCSC	2186.4	4.37	2	1	1490	44
TTTTPLWMIIFYDERQTGGSC	2369.6	4.37	2	1	8480	39
TVDPEINWQFNSSMRSYGSC	2321.5	4.37	2	1	6990	34
TVEMMSAIKFTPPVIIDGSC	2139.5	4.37	2	1	0	92.5
VEIMMTYSIQDASRQGAGSC	2147.4	4.37	2	1	1490	63.5
VFMLDSKVNTMAVNIENGSC	2172.5	4.37	2	1	0	87.5
VIDQRQGWAWAVTEMGLGSC	2207.5	4.37	2	1	11000	78
VMMAGLFAFILRIESADGSC	2131.5	4.37	2	1	0	107.5
VMTYQAKFLEDSSQGWTGSC	2252.5	4.37	2	1	6990	39
VQFWEISDYFTSLIRLGGSC	2321.6	4.37	2	1	6990	92.5
VRFSVFEYAITDQQTMQGSC	2310.5	4.37	2	1	1490	53.5
VVFEFKADQNWQGIVMFGSC	2305.6	4.37	2	1	5500	68
VVFQYTFIVEQWDFIRGGSC	2394.7	4.37	2	1	6990	82.5
WIDLNVYKVVETSPMSTYGSC	2293.5	4.37	2	1	8480	68
WIVVYNMYMERMLYVDNGSC	2486.9	4.37	2	1	9970	82.5
WIYGDLEVSYGIWQSKMGSC	2322.6	4.37	2	1	13980	73
WLTEVFPTWWLKAFDIFGSC	2446.8	4.37	2	1	16500	78
WQRSITFSPTWANNDDEGGSC	2256.3	4.37	2	1	11000	24.5
WREVMWTIAPGFPDVSFGSC	2285.6	4.37	2	1	11000	53.5
WVIQDGVQMQLTREPVNGSC	2260.5	4.37	2	1	5500	82.5
WWQAMRYVYFDQIEATQGSC	2482.7	4.37	2	1	13980	44
WWSGYELWPVMMMDTRWQGSC	2518.8	4.37	2	1	23490	34
WYGPWKMFDDGGWYFLEAGSC	2400.7	4.37	2	1	19480	24.5
YFNFTVYRLETINIIDPGSC	2365.6	4.37	2	1	2980	92.5
YGEFASLNYATKYSADPGSC	2144.3	4.37	2	1	4470	34.5
YIAVFQTIITYSMLDERGSC	2310.6	4.37	2	1	2980	97.5
YLVKVLTEYTDWLNLFGLGSC	2377.7	4.37	2	1	8480	126.5
YNAWVEFRMSPAYNDSWGSC	2383.5	4.37	2	1	13980	24.5
YNWSMIERTMMTVFTADGSC	2343.6	4.37	2	1	6990	39
YPFVFWNGVKMGADWEPGSC	2290.6	4.37	2	1	12490	34
YRDYQYQVQMFEMFIGGSC	2478.8	4.37	2	1	4470	53.5
YSTFWNDEMKVSLVVGPGSC	2219.5	4.37	2	1	6990	63
YVWQQQRVEPWMDSLMLGSC	2456.8	4.37	2	1	12490	68
AEWVTPYRAPAQAVSFDGSC	2155.3	4.37	2	1	6990	49
AEYGGYKVQWTWDWFLGGSC	2268.4	4.37	2	1	13980	39
AFDYNGNEIRVTGPQYIGSC	2204.4	4.37	2	1	2980	58.5
ANWRQMLFAVPGIFVEDGSC	2240.5	4.37	2	1	5500	78
ANYQRLQDAETMGNGMQGSC	2174.3	4.37	2	1	1490	29.5
DGKYEPSWWFVWWNQFMGSC	2553.8	4.37	2	1	23490	14.5
DVANTSLSKGWTWLFEPGSC	2198.4	4.37	2	1	11000	58.5
DWLGRVFNFMFWTGFEAGSC	2370.6	4.37	2	1	11000	39
ETASFFYNIDLAWAIFRGSC	2311.6	4.37	2	1	6990	73.5
FEIYDVYFQWLFNPKLMGSC	2500.9	4.37	2	1	8480	73

GLIPDYNLTMKENWSSQGSC	2243.4	4.37	2	1	6990	58.5
GYSQFEQYRVSVIGYLDGSC	2271.4	4.37	2	1	4470	68
IGQGDQEKWASLNMA SQGSC	2110.3	4.37	2	1	5500	49
IKIVVFWVDVETAWTYQGSC	2344.7	4.37	2	1	12490	102
IKQYYGEMQTGANGADYGSC	2156.3	4.37	2	1	4470	29.5
KMWQMNSDEQANSYSWIGSC	2365.5	4.37	2	1	12490	24.5
LIWKFMVNGDEFSWVWVGSC	2403.8	4.37	2	1	16500	82.5
MFIVNKSDLVWPEYSSWGSC	2348.6	4.37	2	1	12490	68
MFYTYWIERWIDMLGLMGSC	2516	4.37	2	1	13980	78
NQYKDYAPYFIETQWNFGSC	2474.6	4.37	2	1	9970	24.5
QSRFQAVDEQLNSTIFSGSC	2217.3	4.37	2	1	0	58.5
QYRMEDAQPMFIILAQGSC	2314.7	4.37	2	1	1490	88
SIMMEVMADWVSFGFVKGSC	2224.6	4.37	2	1	5500	68
TNLIESYGSPDRPFQPYGSC	2231.4	4.37	2	1	2980	39
VTPWVEKSIILWDPTVSGSC	2217.5	4.37	2	1	11000	102
WGVIKWASQYMMELYDMGSC	2398.8	4.37	2	1	13980	58.5
WNGFDRSEYPATGLVVAGSC	2129.3	4.37	2	1	6990	58.5
YAENGAWDVRVYSSANQGSC	2177.2	4.37	2	1	8480	44
YDNTGAQE QWKLIWTVQGSC	2327.5	4.37	2	1	12490	58.5
KEENYNEKKEDESHEDNGSC	2384.3	4.38	8	3	1490	0
DWMEGAEHFSGGGLEHPGSC	2103.2	4.39	4	0	5500	24.5
ELESIVDFLSEGTIHVHGSC	2172.3	4.39	4	0	0	107
EQLIESPHHWWGSEDYGGSC	2317.4	4.39	4	0	12490	39
LLMPEFDHLFWNSHYEEGSC	2454.7	4.39	4	0	6990	58.5
NGEEWLAWDWPHVESMHGSC	2370.5	4.39	4	0	16500	39
AFDDSNHVHAAAYAFPDNGSC	2138.2	4.4	3	0	1490	34.5
DWRMQTIEVF EAENHGAGSC	2280.4	4.4	4	1	5500	44
EDEMTIMIPEMRWFGYHGSC	2432.7	4.4	4	1	6990	39
EQETWEKVPGMQDQTHWGSC	2376.5	4.4	4	1	11000	14.5
HDLPEFANEITELWLLRGSC	2343.6	4.4	4	1	5500	102.5
IDNEEYYQVERHQYSSTGSC	2408.4	4.4	4	1	4470	34
LHWWQNDYGSDFDMHLAGSC	2382.5	4.4	3	0	12490	44
MFFDEVWARSHTTNEEWGSC	2432.6	4.4	4	1	11000	19.5
NLLFREQDEESLMHTSLGSC	2309.5	4.4	4	1	0	78
PKYEFNELHPPSELPMDGSC	2290.5	4.4	4	1	1490	39
QDLLDYHLSDFVLF AHMGSC	2311.6	4.4	3	0	1490	97.5
QEMHGWPEDVNIGVERMGSC	2274.5	4.4	4	1	5500	48.5
REVESVVHEYLLIDGWFGSC	2388.6	4.4	4	1	8480	82.5
SPRDTEVAVNMEFEQHTGSC	2237.4	4.4	4	1	0	34
WDYAMEEVTERQNHQTYGSC	2447.5	4.4	4	1	8480	19.5
YDAGMGNSHDGHDNVYFGSC	2146.2	4.4	3	0	2980	19.5
DVEPNYKEFQLHPELLQGSC	2346.6	4.4	4	1	1490	73
ENSMVNWRTAQSV DHEGSC	2279.4	4.4	4	1	5500	34
EWGWYMHDK EINYENLLGSC	2487.7	4.4	4	1	13980	58.5
QTERTESWHGEVPIIDL GSC	2257.4	4.4	4	1	5500	73
SKIAHQTFPETEGMEDV GSC	2166.3	4.4	4	1	0	39
TAEYTDPEVPHMSRWFGSC	2342.5	4.4	4	1	6990	19.5
DPWIKDMQFIHPWVDIAGSC	2358.7	4.41	3	1	11000	78
DWFRDQLQMMLDWHLQMGSC	2540.9	4.41	3	1	11000	58.5
EGVWLEFMRAVKDWQEMGSC	2401.7	4.41	4	2	11000	53.5
EHSDEVYYSLEHERPEPGSC	2363.4	4.41	6	1	2980	34
ETEKREMSIISFNDGGLGSC	2173.4	4.41	4	2	0	58.5

GFYADMVPKDHAYSIDLPGSC	2173.4	4.41	3	1	2980	44
HDYLFTHWPWFYRVDYMDGSC	2601.8	4.41	3	1	15470	34
HTDLNWFTDYMKNLDTLGSC	2374.6	4.41	3	1	6990	58.5
LEEKINETWFFPFWRDAGSC	2475.7	4.41	4	2	11000	44
LGLYWVVDVDAHRDPDFLGSC	2310.6	4.41	3	1	6990	92.5
LKNQGW DIEQEIFNKAEGSC	2309.5	4.41	4	2	5500	63.5
LNVLDDHIDGWGQLKMYGSC	2264.5	4.41	3	1	6990	92.5
MDDFQLGDIQKIYNHPGGSC	2238.4	4.41	3	1	1490	58.5
MFKMHNDYIPTQDDGFWGSC	2392.6	4.41	3	1	6990	19.5
MGVITIDDKDNPHMYWTGSC	2283.5	4.41	3	1	6990	53.5
MYFWDWDVGRDAMHSPIGSC	2373.6	4.41	3	1	12490	39
MYRTILEIYEDFEKGNAGSC	2339.6	4.41	4	2	2980	63.5
NGPLLSWEVRFLREEVDGSC	2306.5	4.41	4	2	5500	87.5
NGPPSEWRYFQKDIEWEGSC	2428.6	4.41	4	2	12490	19.5
NLTDYGEWQFAERREAAGSC	2303.4	4.41	4	2	6990	34.5
PDSEAWMTIKSESKSEPGSC	2169.3	4.41	4	2	5500	24.5
PEYSKQKTAWDYSEEVVGSC	2306.4	4.41	4	2	8480	34
PFNTRIADTDWDVTFIHGSC	2295.5	4.41	3	1	5500	58.5
PWNDEAGWEETKSSVGK GSC	2167.2	4.41	4	2	11000	19.5
QQAWEQIQMEFRAMEDGSC	2415.7	4.41	4	2	5500	29.5
QWRDVAETLELIMTKENGSC	2323.6	4.41	4	2	5500	78
QYSMGQDDNINHRIDAFGSC	2271.4	4.41	3	1	1490	44
REKNGVYGETDGEWLVG GSC	2156.3	4.41	4	2	6990	48.5
RFNDIQAFFNDDHYMPTGSC	2378.5	4.41	3	1	1490	24.5
RNWESQGV TIEKPNEDLGSC	2262.4	4.41	4	2	5500	53.5
SVEPIPEETDWQRKQIYGSC	2365.6	4.41	4	2	6990	53.5
SYSDAQDS DYARYAIWHGSC	2295.3	4.41	3	1	9970	34.5
TGGEIDVMSREREWFTQGSC	2288.4	4.41	4	2	5500	34
TNASILTHLDDWVLRPDGSC	2213.4	4.41	3	1	5500	97.5
VMKTGAMMEMKDPEEIMGSC	2218.6	4.41	4	2	0	39
WGEQKFGE EKAGVFDWSGSC	2247.4	4.41	4	2	11000	19.5
EEKIEALTQ QNGTLRNDGSC	2206.3	4.41	4	2	0	63.5
EWMQEVPIKYQWEDLVRGSC	2496.8	4.41	4	2	12490	68
HYGTGYMLDDD WKS I WGSC	2397.6	4.41	3	1	15470	39
IFEAKMGFM PDNSFREEGSC	2295.5	4.41	4	2	0	24.5
ITEETMVQY EYVRIKQDGSC	2392.6	4.41	4	2	2980	68
MTNEQYELKYIGDKAAEGSC	2250.4	4.41	4	2	2980	49
PAEKANGEKWWEMDGWFGSC	2328.5	4.41	4	2	16500	10
QGFTTEGDEKEWFPRGAGSC	2202.3	4.41	4	2	5500	5
TDHDNQQMRVYDSGIPVGSC	2222.3	4.41	3	1	1490	48.5
VKFEQGGDAQEVLSYERGSC	2202.3	4.41	4	2	1490	53.5
EGEDTEGKSKGEGETGSC	2041.1	4.42	6	3	0	19.5
EGEWTEGKSKIEGEDTGSC	2170.2	4.42	6	3	5500	19.5
SENKWEDHDALHGSWDTGSC	2274.3	4.42	5	1	11000	24.5
TDWSGHLADHDEWKNESGSC	2274.3	4.42	5	1	11000	24.5
WIHENHDKF DGE PV TDFGSC	2333.4	4.42	5	1	5500	34
YHGH DQKDY MVMVLEEDGSC	2356.5	4.42	5	1	2980	48.5
EFWDKEWHTRADWPVWDGSC	2550.7	4.43	5	2	22000	19.5
EKSNDQH DNNQTDSRSEGSC	2251.2	4.43	5	2	0	0
ERRDEIGHDEGTFIDKEGSC	2293.4	4.43	7	3	0	39
GPWGFFRDATDYIRLLDGSC	2289.5	4.43	3	2	6990	63.5
IVFMKDRISDDAPGWVSGSC	2183.4	4.43	3	2	5500	73

KYKYSGDALAPDVDGPPGSC	2040.2	4.43	3	2	2980	44
LDDWWFKSDWLQFKPWVGSC	2543.8	4.43	3	2	22000	53.5
LWSQPFVDIDDYVWSRKGSC	2401.6	4.43	3	2	12490	68
LWTGSSVPDRGFYTDDKGSC	2191.3	4.43	3	2	6990	34
LYHYVMAFDEDEKDESFGSC	2384.6	4.43	5	2	2980	39
QAKVDRNSVQDYFDNSAGSC	2204.3	4.43	3	2	1490	39
QKYGDNDASIQQKVSDSGSC	2130.2	4.43	3	2	1490	39
QQSKFDDNNRTFDLYQQGSC	2394.5	4.43	3	2	1490	19.5
RDFDGYADEHYELFKPAGSC	2320.4	4.43	5	2	2980	29.5
RGKTVDDTDILTQNWGSC	2257.4	4.43	3	2	5500	53.5
SRQANDFYLGKGFDDTTGSC	2182.3	4.43	3	2	1490	24.5
STTDWSKDIYNNKDVSPGSC	2217.3	4.43	3	2	6990	34
VQDENDRKPLLGEHTNDGSC	2227.3	4.43	5	2	0	53.5
WHVVGDDTELDKQELMRGSC	2318.5	4.43	5	2	5500	68
WRDDSPQLMAGGLDLMRGSC	2208.5	4.43	3	2	5500	63.5
ADKWNLPGWDRDAWVTVDGSC	2276.5	4.43	3	2	16500	58.5
DIKLQFKMTYFVTDVDMGSC	2341.7	4.43	3	2	1490	68
MVFIAMPLVIDDDKARFGSC	2228.6	4.43	3	2	0	97.5
DFEYKKYFPEWTWDRPDGSC	2569.7	4.44	5	3	13980	0
ELYPHIENEFSNYGEFHGSC	2372.5	4.47	4	0	2980	39
AVSHQEMNEGEQGPMREGSC	2176.3	4.48	4	1	0	19.5
EVVELKEWWAMHSTYEAGSC	2355.6	4.48	4	1	12490	58.5
LEAGSIHKWEENTEGYVGSC	2209.3	4.48	4	1	6990	58.5
QIAIHTNPWEEEPDDHHGSC	2315.4	4.48	5	0	5500	44
SHEGEQYPNETPWEEKWVGSC	2450.5	4.48	4	1	17990	0
VPEYHHNVWEYVHVEDDGSC	2414.5	4.48	5	0	8480	58
AHTDSHEDVAMREFEIIIGSC	2247.4	4.49	5	1	0	63.5
ESSEERFTISNSMEVRSGSC	2235.3	4.49	4	2	0	34
FQEMVEFRMEMYPIPERGSC	2479.8	4.49	4	2	1490	34
FYIGEDDEEFHIIHRQANGSC	2367.4	4.49	5	1	1490	44
IPRTFPHMEDEYEDHIGGSC	2333.5	4.49	5	1	1490	39
NQERELVQNPAENIEKSGSC	2245.4	4.49	4	2	0	58.5
REHDESVWGHAISENDFGSC	2275.3	4.49	5	1	5500	39
RHRDDYTDEEKDEQNEHGSC	2463.4	4.49	8	3	1490	0
VESMEEKNENLNYKVFNGSC	2334.5	4.49	4	2	1490	48.5
WKEKAMVGVNEAEYEPSGSC	2214.4	4.49	4	2	6990	39
GESEFKIERPVEYTLTFGSC	2292.5	4.49	4	2	1490	53.5
MRSADGEMGHEMHDEVWGSC	2264.4	4.49	5	1	5500	19.5
TKEPQEKEQFTEQYSTGGSC	2277.4	4.49	4	2	1490	0
ATHFDTGEEKRMQPEDGGSC	2195.3	4.5	5	2	0	5
DLHEAVVWMPDEEMKSRGSC	2319.6	4.5	5	2	5500	53.5
EDAEHEAKQAVDYKVNFGSC	2240.3	4.5	5	2	1490	44
EDPEEIKDNHWGNTSPKGSC	2243.3	4.5	5	2	5500	19.5
GDEPQMRKEEGTDFHTAGSC	2195.3	4.5	5	2	0	5
HDETTWEKKWGLNDEMVGSC	2365.5	4.5	5	2	11000	34
MVKQRYYHFDWDMLEEEGSC	2566.8	4.5	5	2	8480	34
PDYHSELDEINEIARGKGSC	2233.3	4.5	5	2	1490	63.5
TGHQQEAEMFQQVQFIIGSC	2281.5	4.5	2	0	0	58.5
TILNNGTHMVGQEETVNGSC	2104.2	4.5	2	0	0	68
TLPNGTVFEGPSQHIEWGSC	2159.3	4.5	2	0	5500	53.5
TSGPMGLAPEQNHNELGGSC	1999.1	4.5	2	0	0	44
TWPPFPEGASVQHLTEIGSC	2156.4	4.5	2	0	5500	58.5

WKEEDWFIHKMFVDEIWGSC	2585.9	4.5	5	2	16500	53.5
WQKNWQERTHLDWPEDEGSC	2544.7	4.5	5	2	16500	19.5
AQASVAMVVFEHEQSLGSC	2092.3	4.51	2	0	0	92.5
ENDLQKDGEGRMQYFEKGSC	2334.5	4.51	5	3	1490	19.5
EQWMIFTETYITNWGHFGSC	2450.7	4.51	2	0	12490	39
EVGFIAPVIMSMENYHAGSC	2155.4	4.51	2	0	1490	78
EYVYGVTFEIPLMFGHAGSC	2220.5	4.51	2	0	2980	73
FEYHFTGQAFITIETSWGSC	2324.5	4.51	2	0	6990	44
FWTGEHWPMAMLPFWGEGSC	2369.7	4.51	2	0	16500	24.5
GARDEKFERQGEPIFGDGSC	2198.3	4.51	5	3	0	24.5
GILHVEWVVQTWLEFANGSC	2288.6	4.51	2	0	11000	107
GPHQLEGQVFAGPMPNEGSC	2055.2	4.51	2	0	0	39
IAFYQHELWSVYWWQEGSC	2560.8	4.51	2	0	19480	58.5
IHQVEYIAMEILAMLQNGSC	2263.6	4.51	2	0	1490	122
ITWHMEEIPYQFSLAMGSC	2356.7	4.51	2	0	6990	83
LEHPVPWPYVTYAMELLGSC	2305.6	4.51	2	0	8480	92.5
LSHNEPTSNFTPEMQFPGSC	2223.4	4.51	2	0	0	19.5
LTSQYHEESLLQFAIAGSC	2210.4	4.51	2	0	1490	107.5
MMAQPSSQWQFETTHEWGSC	2371.6	4.51	2	0	11000	5
MPYIPFHFLEWWNMSEMGSC	2505.9	4.51	2	0	12490	39
NELMMNEIFFSWGLHGFSC	2319.6	4.51	2	0	5500	58.5
NSHVYPWNEQYPEPLNTGSC	2335.4	4.51	2	0	8480	34
NSWNNEQTPGEHFPNFLGSC	2278.4	4.51	2	0	5500	19.5
NWSFFQEFSFNWEIPSHGSC	2449.6	4.51	2	0	11000	19.5
NYVEVNYAYSSEQSHFGGSC	2282.3	4.51	2	0	4470	34
PEVWIIQETVWSQVHIMGSC	2342.7	4.51	2	0	11000	102
PNWEP SHNQEMINPVMMGSC	2301.6	4.51	2	0	5500	34
QTQQFEHISAFENVPVLGSC	2234.4	4.51	2	0	0	73
SSSQHEFVGPVYALIAEGSC	2081.2	4.51	2	0	1490	78
VETIATAVFETNHS AFLGSC	2097.3	4.51	2	0	0	83
VIPTWEITANHMQAEYVGSC	2249.5	4.51	2	0	6990	78
VWDQRRDLWPEYERWEIGSC	2623.8	4.51	5	3	17990	53.5
YSHPEWWGWWPEQVYIVGSC	2509.7	4.51	2	0	24980	48.5
EAIFYIQELLIFMWHQLGSC	2441.8	4.51	2	0	6990	122
ELTNNYVSHTNLTEMMFGSC	2291.5	4.51	2	0	1490	53.5
HIPTIAVFTQSNEETQGSC	2175.4	4.51	2	0	0	78
SRRYMADERFTELDMEVGSC	2395.6	4.51	5	3	1490	39
WMVIHSITVTEWVNWEPGSC	2374.7	4.51	2	0	16500	82.5
DEGNPGYTQALYHMDHIGSC	2208.3	4.52	3	0	2980	44
DMVHPFFDSAEYIYHVFSC	2364.6	4.52	3	0	2980	53.5
DQIDLQFYHYMHSEIAGSC	2420.6	4.52	3	0	4470	63.5
DSTHDLMTQTQWETMHFGSC	2355.5	4.52	3	0	5500	19.5
EHDPWVQQVYLHSDWVTGSC	2386.5	4.52	3	0	12490	63
EHSLDDMWMWPNHWFVVGSC	2476.7	4.52	3	0	16500	48.5
FQDHWTDWTMHAGEMNIGSC	2366.5	4.52	3	0	11000	24.5
GLQFPMDLMHTNMHDEFGSC	2310.6	4.52	3	0	0	39
HSEDNGAAHFSYLMSSDGSC	2115.1	4.52	3	0	1490	29.5
HTTIFYDTSTEDHFGVPGSC	2214.3	4.52	3	0	1490	34
NDKWEIHDKTKYMENDDGSC	2428.5	4.52	6	3	6990	19.5
NLDQGSHEENVYSQTDHTGSC	2192.2	4.52	3	0	1490	34
PFAFIHPVHDSQMFPEGSC	2261.5	4.52	3	0	0	39
PMHMEGGILHNDPTPDGSC	2095.3	4.52	3	0	0	39

QVMYHEQDLFIPLVDTHGSC	2332.6	4.52	3	0	1490	87.5
SHENNSYAHYAPPVDMGSC	2194.2	4.52	3	0	2980	24.5
WFPTELTDHTTDHGVGGGSC	2117.2	4.52	3	0	5500	34
WGHAGLDLSMMPIVGDEGSC	2099.3	4.52	3	0	5500	58.5
WHMLVWWADIDHGEMAFGSC	2391.7	4.52	3	0	16500	63.5
EAVDPTHGPHSYDGPFMGSC	2104.2	4.52	3	0	1490	19.5
IHVPVMEFNWGLDDGHGSC	2226.5	4.52	3	0	5500	87.5
LVIFPDYVSQHDHWVNEGSC	2345.5	4.52	3	0	6990	82.5
PMHEVIQWYTQADMHADGSC	2319.5	4.52	3	0	6990	44
VLHFHDVDVIPHQAETSGSC	2201.4	4.52	3	0	0	87.5
AEWWLQEMVTINAPPRNGSC	2302.6	4.53	2	1	11000	63.5
EANYKYEMQLQSMVPIFGSC	2338.6	4.53	2	1	2980	58.5
EERLVILGMLWFMIGVYGSC	2316.8	4.53	2	1	6990	126.5
EGGFNIWGMQVNAEKSAGSC	2085.2	4.53	2	1	5500	44
EILWTMEWYWIATGIIKSC	2400.8	4.53	2	1	17990	102.5
EIMEIRFIYPGSIAQSIGSC	2214.5	4.53	2	1	1490	102.5
EKFNQFYIYITYNYEFGSC	2592.8	4.53	2	1	7450	39
EKINIQAIPISIPSGGEGSC	2013.2	4.53	2	1	0	102.5
ETVSYENLSMSPSGTRQGSC	2133.2	4.53	2	1	1490	34
FAETQQQVFMLNIEKAWGSC	2330.6	4.53	2	1	5500	63.5
FIPVMSQLQMEYKYNAEGSC	2338.6	4.53	2	1	2980	58.5
FKLTTTISGEAIMQIELGSC	2142.5	4.53	2	1	0	102.5
FKSSENYAAYQIEPIAMGSC	2209.4	4.53	2	1	2980	54
FSNEPTYTFAGQEQRAGSC	2256.3	4.53	2	1	2980	10
GIQREWPSLEQPIPNPWGSC	2294.5	4.53	2	1	11000	58.5
GQGAIWEGWLGERSTTGSC	2066.2	4.53	2	1	11000	49
GQRGNETMSWENSGIWFGSC	2246.4	4.53	2	1	11000	19.5
GTQFGQYYKEEMYYIGMGSC	2355.6	4.53	2	1	5960	19.5
IEWLASPPVQIRESNGYGSC	2206.4	4.53	2	1	6990	78
IEYAFNKNGFWATEPFIGSC	2294.5	4.53	2	1	6990	49
IVKSSMIWVMVGETIEGGSC	2126.5	4.53	2	1	5500	102
KEWQGAEFWNQNASASYGSC	2263.3	4.53	2	1	12490	15
KFFFGFEGWMSNTENLTGSC	2302.5	4.53	2	1	5500	19.5
KSIPFQIYEFFMLYEWFGSC	2535.9	4.53	2	1	8480	58.5
LEAEWQGRFGFAPSWIFGSC	2288.5	4.53	2	1	11000	49
LESMGVSLQSPLRVSVEGSC	2078.3	4.53	2	1	0	102
LWETVYNVLRLLTWWESTGSC	2443.7	4.53	2	1	17990	87.5
MGWWWNMNKLLETVESPGSC	2281.6	4.53	2	1	11000	68
MQINTSYRFVWFTEFEMGSC	2476.8	4.53	2	1	6990	34
MSAFQQWEYLPETIYKMGSC	2412.7	4.53	2	1	8480	44
NEYIWEAGIFQQKLPAAGSC	2211.4	4.53	2	1	6990	68.5
PGNIERIQEYIQTMYGMGSC	2290.6	4.53	2	1	2980	58.5
PKWTLVWMFESIEQMPPGSC	2397.8	4.53	2	1	11000	53.5
PNQLIAMKFYEEWPGNMGSC	2315.6	4.53	2	1	6990	44
PRLMEVAPVESVIPWVGSC	2168.6	4.53	2	1	5500	116.5
REMYNTIYIVSVMNWNEGSC	2409.7	4.53	2	1	8480	68
RVPTSYNEVVQNYIEPVGSC	2254.5	4.53	2	1	2980	77.5
SDDTAQVPPMIHNMKEQGSC	2188.4	4.53	3	1	0	39
SGEAAVAPTWNIFQERAGSC	2094.2	4.53	2	1	5500	54
SMHDQIIPPVRQEDSFSGSC	2233.4	4.53	3	1	0	53.5
SQVVWELESWARFMLVPGSC	2324.7	4.53	2	1	11000	87.5
SSHRMILEPLAWTNDGSC	2219.4	4.53	3	1	5500	63.5

TASLGTVSMYEKEMFIMGSC	2185.5	4.53	2	1	1490	58.5
TEIGAIAQKFMVEPSFWGSC	2201.5	4.53	2	1	5500	63.5
TGPRPHTGQVMQDDEGGSC	2073.2	4.53	3	1	0	14.5
TIPAEYYAFVSGFVLREGSC	2209.5	4.53	2	1	2980	78
TPFIDRAVWQHDTMWFEGSC	2426.7	4.53	3	1	11000	39
TPSEMVRGFQAGSYVSEGSC	2092.2	4.53	2	1	1490	34
TPVTVLMEQWLWAEWKWGSC	2450.8	4.53	2	1	22000	73
TWYLDWHNNSDMRVTYEGSC	2477.6	4.53	3	1	13980	34
VEKMLNNTPQEGTNWTVGSC	2208.4	4.53	2	1	5500	48.5
VEVGMVTYEQMPVVRSNGSC	2185.5	4.53	2	1	1490	72.5
VFETRAVFWPNANEQFMGSC	2333.6	4.53	2	1	5500	39
VFYFEATVTRQILPPTGSC	2258.5	4.53	2	1	1490	73
VQEEISWQWVMPINPTRGSC	2360.6	4.53	2	1	11000	68
WMWYELVMMEKFWQNPVGSC	2565	4.53	2	1	17990	48.5
WYRWEQEPIMQNTVYVGGSC	2446.7	4.53	2	1	13980	48.5
YPTYSGESEATRPANIFGSC	2150.3	4.53	2	1	2980	29.5
EMNGKTPNPQQYEPLAFGSC	2211.4	4.53	2	1	1490	24.5
FKETAMPVLNYPVGVNEGSC	2155.4	4.53	2	1	1490	68
GTVGAENGYSGRAFNQEGSC	2004	4.53	2	1	1490	24.5
IENWNTNKIPVMLIEPNGSC	2272.6	4.53	2	1	5500	92.5
IQWVTYVSMEEYRLWSMGSC	2468.8	4.53	2	1	13980	68
IYWNERMVNFTMGEQFMGSC	2443.8	4.53	2	1	6990	34
MVPSEPQSAQEGFKQTWGSC	2197.4	4.53	2	1	5500	19.5
MYENSWPPIPEVSWLIKGSC	2336.7	4.53	2	1	12490	73
PIEWYTKETGVMWNAAYGSC	2306.5	4.53	2	1	13980	44
PIYFEQYNTVMARATSEGSC	2267.5	4.53	2	1	2980	44
SPEFQQSYNMYEQKIWMGSC	2456.7	4.53	2	1	8480	19.5
STPLGFEVSTKQTLFGEGSC	2088.3	4.53	2	1	0	53.5
SYLQENIQFPREVGLAWGSC	2297.5	4.53	2	1	6990	78
TAMFKIGQGEAVIEFYMGSC	2182.5	4.53	2	1	1490	63.5
VQWGTPLGEPKLVWESQGSC	2201.4	4.53	2	1	11000	68
VRQVMMMTAAMGEYGGGSC	2108.4	4.53	2	1	1490	39
VVIVEFEQFAYLFGGRMGSC	2252.6	4.53	2	1	1490	87.5
WMRAITEWWNLVWFETSGSC	2502.8	4.53	2	1	22000	58.5
AADTGGFDLIWNEVKGHGSC	2077.2	4.54	3	1	5500	63.5
ANYYLEDNYPVMNKHDBGSC	2334.5	4.54	3	1	4470	39
DETRWRMGPVTTIDHIYQNGSC	2322.5	4.54	3	1	6990	53.5
DMVPADFFMEQGVHKPLGSC	2208.5	4.54	3	1	0	53.5
DNYDVWIGESSQKPAHGGSC	2192.3	4.54	3	1	6990	53.5
DWEPFSRSWWTASDFHLGSC	2414.5	4.54	3	1	16500	24.5
DWPQRPYTHDLMMLANEGSC	2364.6	4.54	3	1	6990	44
EDAHYSWKFDNLFNVFTGSC	2380.5	4.54	3	1	6990	39
EHDASGQVDAAPFRPMIGSC	2088.3	4.54	3	1	0	49
EHDTTAFYGMKIDYQWGGSC	2415.6	4.54	3	1	9970	24.5
EPKHFLWDQDPMMLLTGSC	2361.7	4.54	3	1	5500	78
EPSLVQWQAHFVNYKDDGSC	2323.5	4.54	3	1	6990	53.5
ERSADGTLSDMGHTPGNGSC	1992	4.54	3	1	0	24.5
FDFIVDTTARELYFHVMGSC	2415.7	4.54	3	1	2980	58.5
FLFEDSQDVINTHQVRPGSC	2292.5	4.54	3	1	0	68
GEASDNYKWWWDHVVPYPGSC	2399.5	4.54	3	1	19480	34
GFPYSSDSADHSIEFRSGSC	2149.2	4.54	3	1	1490	24.5
HDKDSFVQYLANSEQYEAGSC	2262.3	4.54	3	1	2980	44

HDQEDMAATPFYRNWNIGSC	2355.5	4.54	3	1	6990	29.5
HFLVNQDGRYTWELDFNGSC	2401.5	4.54	3	1	6990	53.5
HQKAISSIDAEDTYNNTGSC	2154.2	4.54	3	1	1490	49
IEKQWNSYDFHWFVVDWGSC	2546.8	4.54	3	1	17990	48.5
KGWWEVNHDTLINQADGSC	2286.5	4.54	3	1	11000	78
KSEPMLIQPSDWVHSPDGSC	2213.4	4.54	3	1	5500	53.5
LATPEFDMLWKDTNHTVGSC	2265.5	4.54	3	1	5500	58.5
LHMNDPMEFSAFDSTRGGSC	2202.4	4.54	3	1	0	24.5
LKANVGFIQDLNGEHDGGSC	2074.2	4.54	3	1	0	78
LRPIETWPFADAMFNHLGSC	2349.6	4.54	3	1	5500	63.5
LSDVWVMDYEHYKWL VFGSC	2477.8	4.54	3	1	13980	82.5
MAVRVLHDVDVTWEPFPGSC	2258.5	4.54	3	1	5500	82.5
MEGIDQVIAQRDPHMGYGSC	2207.4	4.54	3	1	1490	58.5
MMLQVFLNDTRDHEYGVGSC	2315.6	4.54	3	1	1490	68
NDIMTGRSMGHGAYDEWGSC	2187.3	4.54	3	1	6990	24.5
NHFDRPITDMWPM AQIEGSC	2348.6	4.54	3	1	5500	44
NNYDLTIAWFHYESDRV GSC	2390.5	4.54	3	1	8480	58.5
PDHGWAERDTSLVAIVSGSC	2100.2	4.54	3	1	5500	78
PMEHTDVT SKPMNFDVMGSC	2226.5	4.54	3	1	0	29
PPDITVMDHQ SASALEKGSC	2086.3	4.54	3	1	0	63.5
PQESFKNDLHTGMDVVTGSC	2165.3	4.54	3	1	0	48.5
PRTMWQHWENPFDMMQDGSC	2496.7	4.54	3	1	11000	0
PTATSFDT FVHRTDVSGSC	2157.3	4.54	3	1	0	34
PTDHGMFTNVWRTEWDMGSC	2370.6	4.54	3	1	11000	14.5
QDFHITVQWNKVEAMDVGSC	2307.5	4.54	3	1	5500	68
QNFASHTYIVSTRDEIDGSC	2243.3	4.54	3	1	1490	58.5
REPWFLQGHFNDDYINAGSC	2369.5	4.54	3	1	6990	44
RVTFTDDENNSYTHVAQGSC	2244.3	4.54	3	1	1490	34
VDGWMAAMDWGEVVHTKGSC	2179.4	4.54	3	1	11000	53.5
VKYYTGVSTIDLHDSVEGSC	2173.3	4.54	3	1	2980	82.5
VRAMQVDDWLWEVNHQNGSC	2387.6	4.54	3	1	11000	68
VSVSQGMRAFDTIQHDEGSC	2167.3	4.54	3	1	0	53.5
VVGFNLHQQRDQEDLAAGSC	2187.3	4.54	3	1	0	78
VYEMWYNTSANIDQDHRGSC	2389.5	4.54	3	1	8480	39
WLFMQYYDVDEHIKGTYGSC	2455.7	4.54	3	1	9970	53.5
YEAQDFQFQFKLMPHDGSC	2454.7	4.54	3	1	2980	24.5
YTWVSFYRGDDLTEHNTGSC	2351.4	4.54	3	1	8480	34
ADVMKNSDFWGYMENQHGSC	2319.5	4.54	3	1	6990	19.5
DIHG YMDVQVVEVSKAMGSC	2168.4	4.54	3	1	1490	82.5
DMHSAQDRFYETGNMGGGSC	2163.3	4.54	3	1	1490	5
DQYELTQDLHVVKSYFAGSC	2303.5	4.54	3	1	2980	73
EIHSRQWDGTTLLLD TGGSC	2189.3	4.54	3	1	5500	78
FRADWPLMSSNEDNHFIGSC	2326.5	4.54	3	1	5500	44
HDAKIWWVDGIIMVYIEGSC	2335.7	4.54	3	1	12490	112
IEDYDHNRTNSGWALQYGSC	2329.4	4.54	3	1	8480	44
IITIWL DGGMLMHDFEKP GSC	2232.6	4.54	3	1	5500	97.5
ITDNAEYDWQHMKGFNSGSC	2303.4	4.54	3	1	6990	24.5
MHLSKWN YEDMVDLLGQGSC	2326.6	4.54	3	1	6990	73
PTAADLR SVFSVEDTYHGSC	2155.3	4.54	3	1	1490	58.5
YHDAPPFIELDKPMQPIGSC	2258.5	4.54	3	1	1490	63.5
ADEIFRKL NWM LSSDWSGSC	2345.6	4.56	3	2	11000	63.5
ADV KMLWEWNDVKVLIIGSC	2319.7	4.56	3	2	11000	126.5

AEDAFSSQINDKWGQSRGSC	2186.3	4.56	3	2	5500	29.5
AFGVVQVDWQRETKPSDGSC	2209.4	4.56	3	2	5500	48.5
AMDNWDVWNMAFSRERVGSC	2374.6	4.56	3	2	11000	39
AVGKEDITGWQVAKQDNGSC	2106.2	4.56	3	2	5500	58.5
DDLTFAFPLFIRKEVTPGSC	2256.6	4.56	3	2	0	78
DFWMEGKIDTNRMAFWFGSC	2441.7	4.56	3	2	11000	24.5
DLKPLGKIFNDESNLLGSC	2150.4	4.56	3	2	0	97.5
DNEQQDMRFAMMVFKWLGSC	2436.8	4.56	3	2	5500	39
DNSKENTVNRMQNDVFVGSC	2305.4	4.56	3	2	0	29
DPKQFDGGMVPMTELSRGSC	2155.4	4.56	3	2	0	34
DSPQKSDDDISQNFHGRGSC	2193.2	4.56	4	2	0	19.5
DTDHDQAGRWQTTWKMDGSC	2338.4	4.56	4	2	11000	5
EDKDIYTVKTTMIIGPSGSC	2158.4	4.56	3	2	1490	73
EFRYKQGIQLFADASQDGSC	2263.4	4.56	3	2	1490	49
EKILRFGFMTIIDFDSTGSC	2280.6	4.56	3	2	0	78
ELMKAVKQASDMGLFDLGSC	2143.5	4.56	3	2	0	83
EQVDQMIDNLKNKASFPGSC	2224.4	4.56	3	2	0	58.5
ERVAGVTMTGNADLADKGSC	1995.2	4.56	3	2	0	63.5
EYYWDGMYRVISRSSDFGSC	2421.6	4.56	3	2	9970	34
FRVLGQRLGDQFSEVNDGSC	2227.4	4.56	3	2	0	68
GMIYVNPDDRLTTETRLGSC	2241.5	4.56	3	2	1490	73
HQGYGVADDTALDKTKDGSC	2081.2	4.56	4	2	1490	44
IRSLTAEDIMWQDNRQIGSC	2336.6	4.56	3	2	5500	83
KKDDSYMWYVINFFAEAGSC	2374.6	4.56	3	2	8480	44
KLINTLKGDYDSGVIFEGSC	2159.4	4.56	3	2	1490	92.5
LAAPGAWSMMDRDGFKGSC	2129.4	4.56	3	2	5500	34.5
LRPVYREYTFVVDNDYAGSC	2367.6	4.56	3	2	4470	68
LVQKWDVRGEYDPLPAQGSC	2261.5	4.56	3	2	6990	73
MKYQDSVGVPLDVFEFKGSC	2249.5	4.56	3	2	1490	63
MMLMKYLDAISYKPLEDGSC	2308.7	4.56	3	2	2980	83
MNEDWNGRPAYRVFVDIGSC	2329.5	4.56	3	2	6990	53.5
MRPPQVTTDMYDLEAQRGSC	2298.5	4.56	3	2	1490	39
MVKMYPAEAKFPDFGVDGSC	2192.5	4.56	3	2	1490	39
NFLQDPMLIRKDEPTAGGSC	2192.4	4.56	3	2	0	63.5
NKEDYDLLYKFWGGNSQGSC	2324.5	4.56	3	2	8480	39
NVDGFNKGGPDMWFEKTGSC	2189.4	4.56	3	2	5500	14.5
PDDGELTAPPTRPTLKTGSC	2056.2	4.56	3	2	0	44
PELWTSLGFNLVKKDDFGSC	2256.5	4.56	3	2	5500	73
PFDLPQGGGEKVRSNADGSC	2034.1	4.56	3	2	0	39
PFLRDYIDPWMGTERSNGSC	2344.6	4.56	3	2	6990	39
PFLVDEALLKMPGARADGSC	2090.4	4.56	3	2	0	88
PGMSYFMDAQNREYDRPGSC	2324.5	4.56	3	2	2980	5
QFPGFDRPLAEIKSDLTGSC	2181.4	4.56	3	2	0	63.5
RAMDNEKQSTSMTVIDNGSC	2187.4	4.56	3	2	0	39
RDADWADIDNPTKAPDLHGSC	2182.3	4.56	4	2	5500	54
RDGDTVGVWKMPEPPFPGGSC	2135.4	4.56	3	2	5500	29
RWNSVVMYDNNFDFAKEGSC	2382.6	4.56	3	2	6990	34
RWSADLPYDQLLKVPMEGSC	2308.6	4.56	3	2	6990	78
TNFRGDSNGTQSKMNEGSC	2148.2	4.56	3	2	0	0
TNRPSGLWGRDDVEWLQGSC	2276.4	4.56	3	2	11000	53.5
VGKTGVKEYIDGDYPTPGSC	2086.3	4.56	3	2	2980	48.5
VINDDKIPTPKTWTYELGSC	2280.5	4.56	3	2	6990	73

VLFDFTGTDHKKNDWLDGSC	2298.5	4.56	4	2	5500	53.5
VLVRKLYNLDTGDLTVEGSC	2195.5	4.56	3	2	1490	121.5
YDREKNFGPWNDQIPQIGSC	2367.5	4.56	3	2	6990	39
YDVERQMQFDTTSNMGKSGSC	2297.5	4.56	3	2	1490	14.5
YFEQNEEHTDDHRDHSPGSC	2403.3	4.56	6	1	1490	0
YFSWVDEVYQRWDVRTTGSC	2497.7	4.56	3	2	13980	43.5
YKSTVGLLKADLGEINDGSC	2083.3	4.56	3	2	1490	97.5
YKTQLADTYKNEQWDVGSC	2412.6	4.56	3	2	9970	39
DGKEIMDFFARAQPTVSGSC	2159.4	4.56	3	2	0	44
DYEDPIGVAGSKRMPFYGSC	2192.4	4.56	3	2	2980	39
EGHDQEEENPPVVRANHGSC	2204.2	4.56	5	1	0	34
FEMRQDSTAAMDRPILAGSC	2199.5	4.56	3	2	0	54
KNGKFAAGLDEGNPNPDGSC	2007.1	4.56	3	2	0	49
LAEIDVYVQTRKSPDWSGSC	2254.5	4.56	3	2	6990	73
NQWKDNDNWIMFLPRIEGSC	2466.7	4.56	3	2	11000	58.5
PAEIAIKWRDLWQGDQNGSC	2287.5	4.56	3	2	11000	68.5
SAYKDMWNEDVRPPAAWGSC	2283.5	4.56	3	2	12490	29.5
WGEQNDVMKSDWLVVVRGSC	2308.6	4.56	3	2	11000	77.5
IKETEDHLIRYMEWFYEGSC	2549.8	4.57	5	2	8480	58.5
MNKEWRNEFTDEGMKLEGSC	2404.6	4.58	5	3	5500	19.5
VGRQKRIDQNADDMNDPGSC	2219.3	4.58	4	3	0	39
REEQFRFRYGLPEEDMYGSC	2512.7	4.59	5	3	2980	19.5
ASQEAPHYGDAESVNPHGSC	2056.1	4.63	3	0	1490	29.5
DHLSLEPLNLFIVEIHFSGSC	2283.6	4.63	3	0	0	131.5
EIDGQVGYHYTEYAAHFGSC	2247.3	4.63	3	0	4470	44
GLLAIEGPEDSTHHSGFGSC	2014.1	4.63	3	0	0	63.5
HQIHNFIEDPFMALIWGSC	2387.7	4.63	3	0	5500	83
ILHNYVDVHEQQENMAPGSC	2284.5	4.63	3	0	1490	73
PDGWIVWHIEAYHMEFFGSC	2424.7	4.63	3	0	12490	58.5
QDEIHTSWSQHITLIEGSC	2297.5	4.63	3	0	5500	97.5
YHLDLGETPNHPWTENGSC	2227.3	4.63	3	0	6990	39
EHAEQAFWAMPDQQIHTGSC	2286.4	4.63	3	0	5500	34.5
ENLIHIDMPNYWHPELIGSC	2381.7	4.63	3	0	6990	97.5
WDHPQEQQHVEPVWYNNMGSC	2456.6	4.63	3	0	12490	29
EDHHWFKNPDDMQATTGSC	2347.4	4.64	4	1	5500	5
HDEVFDQDMRPFMWHNYGSC	2514.7	4.64	4	1	6990	14.5
HSPDNPHSDPENRSQQGSC	2207.1	4.64	4	1	0	0
LKEPLMDLHVVDVDMVHGSC	2237.6	4.64	4	1	0	116.5
LQDKEYEKTEGYDRMHEGSC	2418.5	4.64	6	3	2980	19.5
NYEPSGWDDLHHDYFRMGSC	2429.5	4.64	4	1	8480	19.5
AEYSNAFEKNMFDPLLHGSC	2273.5	4.65	3	1	1490	49
AGIAEFKDYEWMMTNWHGSC	2376.6	4.65	3	1	12490	29.5
AHAWIYFVEDSIPLEVKGSC	2264.5	4.65	3	1	6990	97.5
AKTQPEMIHQEYDSTPTGSC	2223.4	4.65	3	1	1490	24.5
DEYERHQNIQGTGGQQTGSC	2208.2	4.65	3	1	1490	19.5
EAWEKATLDYLNQTSQHGSC	2281.4	4.65	3	1	6990	49
EGEITEGKKSIEGEITGSC	2095.3	4.65	5	3	0	58.5
EGEITEGKKSKEGEWTGSC	2168.3	4.65	5	3	5500	39
EGEITEGKKSKEGEITGSC	2069.2	4.65	5	3	0	39
EGEKPVTFFPRKQEELEAGSC	2234.4	4.65	5	3	0	39
ELHKGQMLYYDITMEMYGSC	2412.7	4.65	3	1	4470	58.5
EMIIINIDEVKASMVHTGSC	2190.5	4.65	3	1	0	112

EPAWNDSLWAFNHEYNGKSC	2368.5	4.65	3	1	12490	29.5
ETDMQNSMPPHTQEMVRGSC	2278.5	4.65	3	1	0	14.5
EVYNFYIYIKVNEPDHWFHSC	2510.7	4.65	3	1	9970	48.5
FQNRELPNITQEYDLHWGSC	2450.6	4.65	3	1	6990	58.5
GWARILVEDHGTESNGSC	2103.2	4.65	3	1	5500	63.5
GYSAGTINDKGPELFHEGSC	2082.2	4.65	3	1	1490	44
HILTQNQNTDITGNEKEGGSC	2131.2	4.65	3	1	0	58.5
HPIMMPSVEMKSEDPTYGSC	2239.5	4.65	3	1	1490	34
KNMWAHNAFAEEWDNNGSC	2325.4	4.65	3	1	11000	15
LEV GASASLRHFESSDIGSC	2065.2	4.65	3	1	0	83
LHTRMDEEYWMVLNMGPSC	2369.7	4.65	3	1	6990	53.5
LTAPLFPRQHEGFEGDIGSC	2174.4	4.65	3	1	0	63.5
LWQIIIMPEKHADEGFGGSC	2231.5	4.65	3	1	5500	83
MDAENQMGEFVHNVS VKGSC	2182.4	4.65	3	1	0	48.5
MIPMFQDGRWFVHMEEAGSC	2371.7	4.65	3	1	5500	39
MKFHEMNPSNIVVVEQDGSC	2264.5	4.65	3	1	0	63
NAPRLGWILEDGEHPSFGSC	2185.4	4.65	3	1	5500	63.5
PEKQMYVTDHAVEFQWVGSC	2354.6	4.65	3	1	6990	48.5
PEPHMYTILPLSDRSIEGSC	2245.5	4.65	3	1	1490	78
PYMEVFHFWKGAEDLTVGSC	2316.6	4.65	3	1	6990	53.5
QDKYWQEA FNSEIYHSGGSC	2349.4	4.65	3	1	8480	24.5
QIANQWFKSHVGADTEEGSC	2207.3	4.65	3	1	5500	44
QMDHPGERYPFWLEAYFGSC	2433.7	4.65	3	1	8480	24.5
QNFKPGEQESDSVTGPHGSC	2104.1	4.65	3	1	0	14.5
QNNELPDHANENYRWVQGSC	2374.4	4.65	3	1	6990	39
QPAEHSKDSPIGEYIIPGSC	2128.3	4.65	3	1	1490	63.5
QTYHEDRYEWWGVQYAAGSC	2362.5	4.65	3	1	9970	39
REHYYP SIGSMPT EYDQGSC	2320.4	4.65	3	1	4470	19.5
REMEILKIWEEREYYLGGSC	2504.8	4.65	5	3	8480	78
RNDHTYSETLNWALWEIGSC	2395.5	4.65	3	1	12490	63.5
RNEHYGIWAVQWEDASLGSC	2321.5	4.65	3	1	12490	63.5
SMTTQPGHEVDSKNEMIGSC	2151.3	4.65	3	1	0	34
TGSKAYHDAGWEETGPLGSC	2066.1	4.65	3	1	6990	29.5
VHGGMQKIPEEYPWDVAGSC	2203.4	4.65	3	1	6990	53.5
VSDYMH LQGAEEGKS QLGSC	2139.3	4.65	3	1	1490	58.5
WDAYRFPENFYSHNPPEGSC	2416.5	4.65	3	1	8480	5
WFLTHDFEVWWRLIEMSGSC	2542.9	4.65	3	1	16500	73
WSPEINQAFDREQHLSWGSC	2390.5	4.65	3	1	11000	44
YMHENMRDWTNEMFSFIGSC	2498.8	4.65	3	1	6990	19.5
YVTNEFDNLLQHGV ELKGSC	2266.5	4.65	3	1	1490	87.5
ANYGNWVMIEDIGQHEKGSC	2251.4	4.65	3	1	6990	58.5
ARYVAEYGPVTSHWDEY GSC	2290.4	4.65	3	1	9970	39
ENHIPS KFDILFPEQQGSC	2336.6	4.65	3	1	0	58.5
HQKLEEFILGIMGPWTDGSC	2261.6	4.65	3	1	5500	78
IMEFIGH SKMESDIFTGSC	2279.6	4.65	3	1	0	58.5
LNHRDLSFQEMILEYPMGSC	2383.7	4.65	3	1	1490	78
MVVP SDKSEAGAESV FHGSC	2037.2	4.65	3	1	0	53.5
NTAEADWGTESTWSMHRGSC	2226.3	4.65	3	1	11000	10
PISMTEDPLWFVQE QKHGSC	2332.6	4.65	3	1	5500	53.5
SPDHVALELTYRSQIEMGSC	2236.5	4.65	3	1	1490	78
VKEGTGGHV GDLVPEIYGSC	2017.2	4.65	3	1	1490	82.5
DMWDILFRLMDQHRTVEGSC	2452.8	4.66	4	2	5500	73

DSPKETLVTFDHRPDYPGSC	2264.4	4.66	4	2	1490	34
FFLHDDRQVWTEDFMMRGSC	2520.8	4.66	4	2	5500	34
KQIQKYWEFDQDHMNMDGSC	2503.7	4.66	4	2	6990	19.5
NVDLNLPKIRDDIHEASGSC	2196.4	4.66	4	2	0	97.5
PRVYEQIARWADHDDVIGSC	2330.5	4.66	4	2	6990	78
QAAFDHRLEIVDLFQRDGSC	2320.5	4.66	4	2	0	83
SSILDQEAGHKDDYKNFGSC	2214.3	4.66	4	2	1490	44
TKDAEDHWYKMDTGGFNGSC	2262.4	4.66	4	2	6990	5
VSDMHFLPRKDASELDIGSC	2220.5	4.66	4	2	0	78
LVPDTQDAMHKEDFVPRGSC	2245.5	4.66	4	2	0	53.5
WHDTKEDAQPIARLMFDGSC	2320.5	4.66	4	2	5500	49
AAGQNTANKEDMRGNEWGSC	2139.2	4.68	3	2	5500	15
ADKTGKSWMEFIQLSEGGSC	2174.4	4.68	3	2	5500	44
AEIWPPDENVTYKKVVPGSC	2232.5	4.68	3	2	6990	68
AFNPDGGREWETAIKIWGSC	2237.4	4.68	3	2	11000	49
AMDYRMFRYLIAEGVAEGSC	2282.6	4.68	3	2	2980	68.5
ATVLLSDSVTEGERVKAGSC	2022.2	4.68	3	2	0	92.5
DEFMRLGSVMNIGIPREGSC	2211.5	4.68	3	2	0	73
DIRSWIWWKAFMQSFEEGSC	2419.7	4.68	3	2	11000	58.5
EMMPTMWPFNEDRAPIRGSC	2368.7	4.68	3	2	5500	24.5
EMQWMKYGYQDALERLPGSC	2405.7	4.68	3	2	8480	44
EPNIVVITYTKDFNQEKGSC	2285.5	4.68	3	2	1490	68
ETGGMDRGEQQSSGNKIGSC	2041.1	4.68	3	2	0	19.5
EYEAKGWADKAPGGNVLGSC	2052.2	4.68	3	2	6990	49
FIETRFGEFESITKFSVDGSC	2270.5	4.68	3	2	0	53.5
FIKAGSELAAETRPDTNGSC	2067.2	4.68	3	2	0	54
FNLPPVGKDSENEFLKQGSC	2209.4	4.68	3	2	0	53.5
FPQRVVEDTKEWSSGGWGSC	2255.4	4.68	3	2	11000	29
FVDDTRYKDAGQRMEAMGSC	2280.5	4.68	4	3	1490	24.5
FYLTSVSDYEGREGRFIGSC	2286.5	4.68	3	2	2980	53.5
GWSEDMIWVSEYQFRNKGSC	2422.6	4.68	3	2	12490	34
IRSFPSDEVTLMEKAVSGSC	2156.4	4.68	3	2	0	73
KGVEYLWNRDQFLFENGSC	2468.7	4.68	3	2	8480	53.5
KLEDKADKFFAMAMQYDGSC	2298.6	4.68	4	3	1490	34.5
KMDLYEYPSEQPRILGGGSC	2243.5	4.68	3	2	2980	58.5
KQAFEFAYTAQQTEKNDGSC	2266.4	4.68	3	2	1490	15
KSESRGYTMEIWDMMQAGSC	2310.6	4.68	3	2	6990	24.5
KWVFKWVPYELELDPTSGSC	2384.7	4.68	3	2	12490	68
LDFGMSGTFERLKAYIEGSC	2224.5	4.68	3	2	1490	63.5
LDMSRPTLGETARVEQLGSC	2163.4	4.68	3	2	0	78
LQSGEDKKQFQWAVEYFGSC	2350.5	4.68	3	2	6990	39
LQVEMNKGGEKAWAWDYGSC	2185.4	4.68	3	2	6990	58.5
LYFYIKGTMVMQKDENECS	2420.7	4.68	3	2	4470	39
MDTVTWTSGTEMKAREMGSC	2221.5	4.68	3	2	5500	19.5
MEKMADQKMELTGAMFQGSC	2236.6	4.68	3	2	0	29.5
MLYAKDRDRSDNEIYINGSC	2363.6	4.68	4	3	2980	63.5
MQPMQDSKKETNRVDDWGSC	2355.6	4.68	4	3	5500	14.5
MVDEAPEQAYLRKFIQIGSC	2298.6	4.68	3	2	1490	83
NRGDRIFEQAATEVTGNGSC	2125.2	4.68	3	2	0	44
PRWWWYDKIMWENEFVMGSC	2664	4.68	3	2	23490	34
PWPWEARSSRYIDLETQGSC	2381.6	4.68	3	2	12490	44
QAFWTGKENKEYYVDMMGSC	2387.6	4.68	3	2	8480	19.5

QGDGFIRDKDRAMSEIFGSC	2232.4	4.68	4	3	0	44
QKSIYPSSDLKTEIEMLGSC	2229.5	4.68	3	2	1490	78
QLLPWVPREDYEMYKAAGSC	2356.7	4.68	3	2	8480	63.5
QMEKAFYDSENGPYAYARGSC	2316.5	4.68	3	2	4470	10
QMMDKKLEDSKYWQDNVGS	2405.7	4.68	4	3	6990	34
RELYMSSAEFWKLVFDSGSC	2355.6	4.68	3	2	6990	58.5
REPVFVLAEGYGPADKTGSC	2096.3	4.68	3	2	1490	58.5
RERVVAPTQITTMADYEGSC	2227.4	4.68	3	2	1490	58.5
RKPPDWEEFMWYGSATTGSC	2348.5	4.68	3	2	12490	5
RLDDQNPTDFRKGESTVGSC	2225.3	4.68	4	3	0	34
SNGKRIVFTQSEDEMWTGSC	2275.4	4.68	3	2	5500	34
SSLEFSNKKGQVDQEGIGSC	2113.2	4.68	3	2	0	53.5
STPDLELEYPVWKFWKGS	2384.7	4.68	3	2	12490	68
TFQAIPWDVYEEGNKMKGSC	2303.5	4.68	3	2	6990	39
TMGFNREAYFGGGREDGSC	2167.3	4.68	3	2	1490	24.5
VDPMMRPMAAEVYQREGSC	2283.6	4.68	3	2	1490	58.5
VMVYLNTFEDQIPNEKRGSC	2343.6	4.68	3	2	1490	68
VPDYERRRIWAFFDWYDGSC	2581.8	4.68	4	3	13980	39
VWDTRETRWSIWSEMSLGSC	2429.7	4.68	3	2	16500	53.5
WDQTGIQKYQREQSEMNGSC	2388.5	4.68	3	2	6990	19.5
WIVEDREYSWQLMLVLKGSC	2455.8	4.68	3	2	12490	107
WKEWEDYKYATGTFPAQGSC	2367.5	4.68	3	2	13980	10
YKAKYIGDQKGLAYEDDGSC	2224.4	4.68	4	3	4470	49
YMVEYNQTLMNEKMRADGSC	2383.7	4.68	3	2	2980	39
YNYLFMDARSKNGNEEPGSC	2295.4	4.68	3	2	2980	24.5
AFQTWKWNYYFEEYFKDGSC	2612.8	4.68	3	2	15470	5
EPEKFWMFTWMAIFMDRGSC	2512.9	4.68	3	2	11000	24.5
FGMAVVEPDGARKTEMIGSC	2098.4	4.68	3	2	0	58.5
GKQAEETRNPIDSVPMQGS	2147.3	4.68	3	2	0	39
GVKLRDGEQSWDFDSKNGSC	2228.3	4.68	4	3	5500	34
IDWMDPTDKQTRVIEKSGSC	2309.5	4.68	4	3	5500	53.5
IFPLVIRNQKEELWFDNGSC	2408.7	4.68	3	2	5500	92.5
IGMIKDMALAEGGWREAGSC	2095.4	4.68	3	2	5500	73.5
MDITIRNEPAKTNPTMGSC	2208.5	4.68	3	2	0	44
METVPMSIKRQVADNEYGSC	2258.5	4.68	3	2	1490	53.5
MPDERKNIFAEAYANAAGSC	2158.3	4.68	3	2	1490	44.5
NTLPDGRWEIKMEYGQGGSC	2241.4	4.68	3	2	6990	39
QDPMSTFSPRDPTKKEDGSC	2226.4	4.68	4	3	0	0
RDYKISYMGEEGYYPTYGSC	2382.6	4.68	3	2	7450	19.5
REPKNNAFIEIWDAAGQGSC	2206.4	4.68	3	2	5500	54
RVGEMPMREYDISGGSGGSC	2088.3	4.68	3	2	1490	34
TDEGNRQERFFQNSSTTGSC	2264.3	4.68	3	2	0	0
TKTFGEIDRRYFQVDDIGSC	2350.5	4.68	4	3	1490	53.5
TWEQPRLREPTGQGDQFGSC	2292.4	4.68	3	2	5500	19.5
YDFLFKSKQEFEPFLAGGSC	2279.5	4.68	3	2	1490	63.5
YYDGAMSSPEIRGKEIGGSC	2120.3	4.68	3	2	2980	44
PGSNIRSDDGAWRTDERGSC	2179.2	4.69	4	3	5500	24.5
DVSWEHDVSWMEHYHSAGSC	2362.4	4.7	4	0	12490	34
HDEHFHMDAGKAGYDDVGSC	2191.2	4.7	5	1	1490	24.5
HDEWNEVWNTSFDHSHSGSC	2374.4	4.7	4	0	11000	14.5
SEKEDKGETFEIGKAHEGSC	2181.3	4.7	6	3	0	24.5
ASYHVIVYWYHESEEYSGSC	2409.5	4.72	3	0	11460	53.5

DHERDPSEAMIWWYNHAGSC	2404.5	4.72	4	1	12490	29.5
DHIHIAELPWNQFIEDKGSC	2352.6	4.72	4	1	5500	83
DHNHEYNWEDSRMNTTAGSC	2367.4	4.72	4	1	6990	5
EGEITEGKKSREGEDTGSC	2140.2	4.72	6	4	0	19.5
EPLNEAEQHQHAAPYVTGSC	2181.3	4.72	3	0	1490	49
GHFEFHSFNGVGEMEYGGSC	2191.3	4.72	3	0	1490	14.5
HVSETEIHSQTIEVAGSC	2153.3	4.72	3	0	0	112
NHQNENTESNDDHRQNGSC	2313.2	4.72	4	1	0	0
NHSAVETTEQMGLEFHYGSC	2240.4	4.72	3	0	1490	39
NRTEEEKQQSDENERSKGSC	2354.4	4.72	6	4	0	0
PAELVWHYVSHYERFDDGSC	2410.6	4.72	4	1	8480	53.5
QDQNVPIDEMKHHFVGEGSC	2270.4	4.72	4	1	0	48.5
RNLSHEMNDDFEHSFSSGSC	2299.3	4.72	4	1	0	19.5
SIFSASWSEMLHHEAIEGSC	2221.4	4.72	3	0	5500	68.5
TEQALWHVDIQFHEDRFGSC	2418.6	4.72	4	1	5500	58.5
VRDDHGWYEVSTHGSPEGSC	2218.3	4.72	4	1	6990	29
DGHDFENLFYIFFKHEWGSC	2491.7	4.72	4	1	6990	39
LMDMHDRWQQEYFHSIGSC	2512.7	4.72	4	1	6990	39
RQWLHQHTNDVEDEFNVGSC	2414.5	4.72	4	1	5500	48.5
ADDHEQWTEKMYKNQNMGSC	2415.6	4.75	4	2	6990	5
AMWQEETEANVPRHYGMGSC	2296.5	4.75	3	1	6990	24.5
ARHLENEGLYDYGQSKGSC	2242.3	4.75	4	2	2980	44
DDVLAKTEHIYEMLVNRGSC	2293.5	4.75	4	2	1490	92.5
EHDFELWDLWKPFKQFAGSC	2483.7	4.75	4	2	11000	44
FMQDVDQEKHFHFRMMSEGSC	2452.7	4.75	4	2	0	14.5
FSQAIPFDSEHWKDRESGSC	2326.4	4.75	4	2	5500	24.5
FVNQDPWRSIWDHEAEKGSC	2404.6	4.75	4	2	11000	39
GHEQKFPEVIYSGEFYYGSC	2340.5	4.75	3	1	4470	34
HIKESDVAMKPMTPENGSC	2189.4	4.75	4	2	0	39
INREHDQGMPTARLWEDGSC	2315.5	4.75	4	2	5500	44
KDYFDVHHEYKEPPYPSGSC	2424.6	4.75	4	2	5960	14.5
KGFHSDWESADTTKEMGGSC	2173.3	4.75	4	2	5500	5
KGFMKHTPEEPDAPGDGGSC	2060.2	4.75	4	2	0	5
KGYEVSLEHWIEVSSLAGSC	2194.4	4.75	3	1	6990	92.5
MEVRDGLMVEDIRLWHGGSC	2303.6	4.75	4	2	5500	87.5
MGTHEFREVEFWNVMMFGSC	2420.7	4.75	3	1	5500	29
MRINLGLEGEFFTWMHGSC	2357.7	4.75	3	1	5500	58.5
MSTEWHTRNLFYNGLEGSC	2374.5	4.75	3	1	6990	39
NIDAANAHKELKVELDFGSC	2174.4	4.75	4	2	0	88
PWDHNNGQKVEPEDKTNGSC	2255.3	4.75	4	2	5500	14.5
QDSYVEHTKVIKVDEIFGSC	2297.5	4.75	4	2	1490	82.5
QNDNSQRDKDNNEQDHLKGSC	2332.3	4.75	5	3	0	0
RFMVHGDMQENGKNEGDGSC	2211.3	4.75	4	2	0	14.5
RNHQMFVDVDTNGQEEKPGSC	2292.4	4.75	4	2	0	14.5
TEEMNKGEIPYATWTYHGSC	2317.5	4.75	3	1	8480	24.5
TGEPDYTISEKTDHRQAGSC	2195.3	4.75	4	2	1490	24.5
TIPSVYLMLEIEMEHLGSC	2321.7	4.75	3	1	1490	112
VGLMEEHAIWYFPGRQEGSC	2309.6	4.75	3	1	6990	58.5
YMEYRRDVEFTYVDHQYGSC	2561.7	4.75	4	2	5960	29
EFEVFGLELWFKLHAGSGSC	2256.5	4.75	3	1	5500	78
EMTEQGHWWFEYLLWKGSC	2400.7	4.75	3	1	12490	53.5
EPMEMHDDRMTMRPNGAFGSC	2281.5	4.75	4	2	0	5

HPRASFILEELAFEWGIGSC	2262.5	4.75	3	1	5500	88
HWGEVGYSKMSEEVGVGGSC	2098.2	4.75	3	1	6990	43.5
LEYDDGQGKYHRYPLQEGSC	2358.5	4.75	4	2	4470	39
LNLWWIVYHYWEFEAERGSC	2601.9	4.75	3	1	19480	78
PHSVAEEANLVLWFSEERGSC	2231.4	4.75	3	1	5500	78
VVPAPIHPRMPEWLETEGSC	2248.6	4.75	3	1	5500	73
AYYEDKVELVFGDITKKGSC	2265.5	4.78	4	3	2980	73
EFPEAPSRRDDAPMFKGGSC	2197.4	4.78	4	3	0	10
EGDWGPQRIRFDEGNRSGSC	2266.3	4.78	4	3	5500	19.5
ETTHYNEQQNDTHHYETGSC	2394.3	4.78	4	0	2980	0
EYSNFRRRMDYDWMASEGSC	2503.7	4.78	4	3	8480	5
GALMKDNKEVEPYDRMLGSC	2256.5	4.78	4	3	1490	58.5
GGOPIYYQYREQEDMDKGSC	2367.5	4.78	4	3	4470	19.5
KTAPNSKALTDEQQEKDGSC	2150.3	4.78	4	3	0	29.5
LERDDLQGSAWEMFKRTGSC	2329.5	4.78	4	3	5500	44
PIYWEPQNIPDKGRDEKGSC	2332.5	4.78	4	3	6990	39
RTPGRDMPEVDNETNRAGSC	2205.3	4.78	4	3	0	19.5
RYWRMAYEDVTQLEKIDGSC	2463.7	4.78	4	3	8480	58.5
SLELEKSFGSKQYGPGEAGSC	2103.2	4.78	3	2	1490	39
SLSTSELRDIDEYRFFKGGSC	2353.5	4.78	4	3	1490	58.5
VKEGLFDPREAFDILLGSC	2265.6	4.78	4	3	0	97.5
WYQEDLDKWEPMYIRTKGSC	2548.8	4.78	4	3	13980	39
YYRTYYETYPREKDTYDGSC	2573.7	4.78	4	3	8940	0
DIYPDENNKKSNEPKLNGSC	2265.4	4.78	4	3	1490	39
FKFFNSDRIEPTDFREYAGSC	2458.6	4.78	4	3	1490	19.5
KYREQAPKNDTSDTQEIGSC	2270.4	4.78	4	3	1490	24.5
AENIARSEGNYSEARQAGSC	2141.2	4.79	3	2	1490	49
AWPNTERRWEVPEAYATGSC	2323.5	4.79	3	2	12490	29.5
EFQWPFKEEKAGFLPFGSC	2304.6	4.79	3	2	5500	24.5
EMPEKLKIQMYEVWIMNGSC	2429.9	4.79	3	2	6990	73
EREIRPNQVWMENIWMFGSC	2525.9	4.79	3	2	11000	53.5
FMVLVAAEEAVKSLRELGSC	2152.5	4.79	3	2	0	117
FRYENLYNKQPTHEYEPFGSC	2485.7	4.79	3	2	4470	19.5
FYEYKITMEKLVVLEVSGSC	2338.7	4.79	3	2	2980	102
GFLINVWSRQLYERMEEGSC	2417.7	4.79	3	2	6990	73
GLVPEQQQNETSERQKFGSC	2265.4	4.79	3	2	0	34
GMATILEIMWNNENKERFGSC	2329.6	4.79	3	2	5500	63.5
GTETLLSSSWLKEELRTGSC	2197.4	4.79	3	2	5500	78
NATERETENSTRAFQLLGSC	2227.3	4.79	3	2	0	49
NKFEWRMNSPEFEIITYGSC	2451.7	4.79	3	2	6990	39
PNMGRKIWQVLEEFEPGSC	2321.6	4.79	3	2	5500	53.5
QTYQLQRPEKAENEWSGSC	2353.5	4.79	3	2	6990	39
VWNRVKEPNAYLMEEITGSC	2339.6	4.79	3	2	6990	73
WLPVELVERSKGTWQEAGSC	2332.6	4.79	3	2	11000	68
WVTAATMFKIEEPAERWAGSC	2312.6	4.79	3	2	11000	49
YIEVLIKQEGTWWEIKTGSC	2383.7	4.79	3	2	12490	92.5
AFEAPTRFTYIGEPPERAGSC	2259.4	4.79	3	2	1490	29.5
ANFRLEGYAPNEMKSEAGSC	2160.3	4.79	3	2	1490	29.5
ISLVFVQKEITMRMENEGSC	2314.7	4.79	3	2	0	87.5
WNVWEANWVYKREEWQAGSC	2598.8	4.79	3	2	23490	34
APPRLGGYFSDHHEELGSC	2201.3	4.8	4	1	1490	44
DKWEDHWILTVHEWDRGSC	2469.6	4.8	5	2	16500	53.5

ENMDSGAEMHVERAMFHGSC	2238.4	4.8	4	1	0	24.5
IYGGKQHEHDEEWITPQGSC	2314.4	4.8	4	1	6990	39
MHDEAEYLHQERPMQNGSC	2388.6	4.8	4	1	1490	44
NEFETEGPDQTHAHKPFGSC	2231.3	4.8	4	1	0	5
YHEHEQAGAAPFPNERDGSC	2215.3	4.8	4	1	1490	15
DAHKKEDWPVDIHWEPWGSC	2435.6	4.8	5	2	16500	39
AFESPYMEKDGFKEPYHGSC	2322.5	4.83	4	2	2980	5
EEPIDLEHPKNSVTGWRGSC	2254.4	4.83	4	2	5500	53.5
EEQKYIISHVGTKDPEFGSC	2267.5	4.83	4	2	1490	53.5
EPPFDAENWHEKYFLQRGSC	2453.6	4.83	4	2	6990	24.5
FEPDKTGVHSIIYKQEEGSC	2267.5	4.83	4	2	1490	53.5
GTDALKAREHQEFQTEGGSC	2164.2	4.83	4	2	0	29.5
GVFDEEGWAHEVMKSRAGSC	2195.4	4.83	4	2	5500	39
HEVDWKLQFVEKEWQMWGSC	2565.9	4.83	4	2	16500	48.5
HGKYTEKNDWEMWYEWIGSC	2562.8	4.83	4	2	19480	19.5
KYNEKSQTTQEDENNHNGSC	2326.3	4.83	4	2	1490	0
MFEYEEKKFSNSHGYVDGSC	2357.5	4.83	4	2	2980	14.5
MFHLMDETTEQKETKLYGSC	2391.7	4.83	4	2	1490	39
PEYEDSSKPHKSRGDADGSC	2165.2	4.83	5	3	1490	5
PKGKDEETDRWQPDHISGSC	2285.4	4.83	5	3	5500	19.5
QAHWKAELLEKFPWIEDGSC	2387.6	4.83	4	2	11000	68.5
QDQETETYGSSRVFHEKGSC	2288.3	4.83	4	2	1490	14.5
REAMWQHKLTYTEWPEDLGSC	2479.7	4.83	4	2	12490	44
SAHMEERMAPPEAPSKDGSC	2130.3	4.83	4	2	0	15
SRFPETEVMMEPIGDKHGSC	2305.5	4.83	4	2	5500	34
TEQESKKSSHTQNSDESGSC	2169.1	4.83	4	2	0	0
YWRNEMHPEDAEPMYKYGSC	2506.7	4.83	4	2	9970	5
INRPIDEIEQKLHPEAWGSC	2335.6	4.83	4	2	5500	83
SVYKKTENHGGGEVDSEIGSC	2139.2	4.83	4	2	1490	48.5
TKKFENFLEFAHQDYQEGSC	2421.6	4.83	4	2	1490	24.5
WDAGETHFRQEEASVRQGSC	2293.4	4.83	4	2	5500	24.5
FNRDHREFFEHFGFDEPGSC	2473.6	4.86	5	2	0	0
YHQFFGKLRHFEVDDEEGSC	2443.6	4.86	5	2	1490	34
DMVAQEQQGGERNKRVEGSC	2261.4	4.87	4	3	0	34
DRQQLEGTLVERFERLWGSC	2422.7	4.87	4	3	5500	73
EHIGWITENNSHEREWSGSC	2371.4	4.87	4	1	11000	39
GDWEIAEWTLGESKARKGSC	2223.4	4.87	4	3	11000	49
KEWREGNDAKFFTEPVYGSC	2363.5	4.87	4	3	6990	19.5
KSRVWELKVPWEYDYFEGSC	2521.8	4.87	4	3	13980	48.5
LQTAEQKFNDEKESLGKSC	2212.4	4.87	4	3	0	44
MWEYRKEMNVYLDENVRGSC	2522.8	4.87	4	3	8480	48.5
QDSISERLRLIWRQEAEGSC	2376.6	4.87	4	3	5500	83
QGEEKSGFKSEKFDPSWGSC	2233.3	4.87	4	3	5500	0
QLEFRQEWEQWHEFHVYGSC	2638.8	4.87	4	1	12490	34
AWRTDMMRRIEMMQEESGSC	2447.8	4.87	4	3	5500	24.5
EGDSWANWEWFRGPKEKGSC	2369.5	4.87	4	3	16500	5
EVNDRNRFEYSWEVGKGGSC	2332.4	4.87	4	3	6990	29
IGFLEDKWGQRIKEAEFGSC	2313.6	4.87	4	3	5500	63.5
TQNERIIPAEDAKAEGRGSC	2145.3	4.87	4	3	0	54
LSAVGYEKHETEDPHEHGSC	2225.3	4.89	5	1	1490	39
HDNSEIKPRVKDEEPPNAGSC	2225.3	4.9	5	3	0	39
IEYMFEMEFERVHQRSSGSC	2465.7	4.91	4	2	1490	34

PHEYETEFQREQGWPTGSC	2409.5	4.91	4	2	6990	0
SSMGHEHMHHEGMEEEPGSC	2238.3	4.91	5	0	0	0
YEPWPEYHKQYQMEELRGSC	2573.8	4.91	4	2	9970	19.5
HGHVREDLLRYGEELELGSC	2312.5	4.92	5	2	1490	92.5
WFHDEELEMHAESQNRREGSC	2461.6	4.92	5	2	5500	24.5
EIWQHKEHLERLFATEDGSC	2428.6	4.92	5	2	5500	63.5
EEFLHSEFAEHGDKHDKGSC	2302.4	4.94	6	2	0	24.5
RDWEEISIRFRKGGDGEGSC	2297.4	4.94	5	4	5500	39
WTRYRRLDEENESRFMDGSC	2550.7	4.94	5	4	6990	19.5
EFMKSSRPPEEYEWVTQKGSC	2421.6	4.95	4	3	6990	14.5
EMENLSRRPMRWSEEATGSC	2369.6	4.95	4	3	5500	24.5
ERTKSTGKLESTSELETGSC	2143.3	4.95	4	3	0	39
FMKQYPEETWIRIKFEEGSC	2521.8	4.95	4	3	6990	39
LREGKQISENEERGVPAGSC	2159.3	4.95	4	3	0	58.5
VKKEEEAFNQYRIAEQQGSC	2357.5	4.95	4	3	1490	44
KENSHNRTENEYKTTEDGSC	2342.3	4.96	5	3	1490	0
NSHYDKQKDNEEKTEEHGSC	2378.4	4.97	6	3	1490	0
ENESEKMMIKNNKEDTKGSC	2315.5	5.01	5	4	0	19.5
NEFREDWFRREELKTWQGSC	2616.8	5.01	5	4	11000	19.5
REKTDEDKNESSKHNEGSC	2307.3	5.01	6	4	0	0
TSATHDLSMTSNPIDQHGSC	2102.2	5.03	2	0	0	44
DGVHAMYHFSDGQHYDIGSC	2239.3	5.04	3	0	2980	39
AMFLDDHWFQFPINLHLGSC	2391.7	5.05	2	0	5500	83
ASYAWVYHHQWDNDYVAGSC	2372.5	5.05	2	0	15470	44
DHDYHPWFGIWQTYNPVGSC	2422.6	5.05	2	0	13980	34
DMGQNHHPFQDILFNVGSC	2230.4	5.05	2	0	0	58.5
DWQDYNHYHMYHQLISFGSC	2593.8	5.05	2	0	15470	39
GAVDSAHWHDPLAIFGMGSC	2071.3	5.05	2	0	5500	68.5
HGNDSMQNMQVMDYHNMGSC	2299.5	5.05	2	0	1490	14.5
IPYHQSSALDAWQGHSDGSC	2159.2	5.05	2	0	6990	49
LVWLMSTMHGGDNQIHDGSC	2201.4	5.05	2	0	5500	73
PNLGDMMNDSWHVVTHQGSC	2228.4	5.05	2	0	5500	48.5
RREHKDTSNEKDSEREGSC	2378.4	5.05	7	5	0	0
TLLPSSIWFFAPADHFAGSC	2167.4	5.05	1	0	5500	73.5
TPYGMTPTWTWDVTHQWQGSC	2381.6	5.05	1	0	17990	14.5
TQGNIAYDNGTANFHFVGSC	2116.2	5.05	1	0	1490	44
VMSQSDGVYHMDLMPHTGSC	2195.4	5.05	2	0	1490	48.5
WIGYAHLHIWWDYDTPAGSC	2391.6	5.05	2	0	19480	68.5
FSTLHSTMDVMHVMFIDGSC	2258.6	5.05	2	0	0	68
HGPDWTIHFPFGLWVFDGSC	2268.5	5.05	2	0	11000	53.5
ITTIGHPMDGINDGWHYGSC	2174.3	5.05	2	0	6990	58.5
PHMNDNLIPYVYGTHGDGSC	2190.3	5.05	2	0	2980	53.5
MHWSWIDNYITNNTATAGSC	2285.4	5.06	1	0	12490	49
MNGNDLMAVPGWNAHGGGSC	1988.2	5.06	1	0	5500	44
MNSSWINHILVWAQADYGSC	2295.5	5.06	1	0	12490	83
MVDYPHSIWAWQNFLGFGSC	2358.6	5.06	1	0	12490	58.5
MVWISPDMINMLPHYQQGSC	2385.8	5.06	1	0	8480	73
SMPQLMIQVLGDPVHNIGSC	2139.5	5.06	1	0	0	107
MYWPTHNDMGFGWNFSWGSC	2423.6	5.06	1	0	17990	0
SNNDTIMWWPAIVLVHNGSC	2257.5	5.06	1	0	11000	92.5
EGEITEGKLSKKEGKTGSC	2110.3	5.07	5	4	0	39
EGEKTEGKSKLEGEITGSC	2110.3	5.07	5	4	0	39

AGYSDSYFTTAGHYLWPGSC	2183.3	5.08	1	0	9970	29.5
ANFVMHWDMMWIPVLNWFGSC	2453.8	5.08	1	0	16500	73
DTNPNQQTAPPNQQAGHGSC	2065.1	5.08	1	0	0	10
FAHGFGSDPANWNFPWQGSC	2225.3	5.08	1	0	11000	10
FIWFTILGSFFHYTDFTGSC	2389.7	5.08	1	0	6990	58.5
FNLADSHSSSNVPFWTLGSC	2169.3	5.08	1	0	5500	58.5
FPMGMDFHLYSYQSPFYGSC	2377.6	5.08	1	0	4470	19.5
FQVNVDIYLSFHFPSSGGGSC	2174.4	5.08	1	0	1490	68
FTIQDVPNWWIVHQTQIGSC	2372.6	5.08	1	0	11000	87.5
FYLTLAVQTHAGLPYQDGSC	2184.4	5.08	1	0	2980	83
GFYIWNHAPPLNYP LDMGSC	2295.6	5.08	1	0	8480	63.5
GHYFMGMIYYQDQLTFLGSC	2374.7	5.08	1	0	4470	58.5
GIYQPGTHADSPQVLWPGSC	2113.3	5.08	1	0	6990	58.5
GLQTMDYMGYTSVWQNHGSC	2278.5	5.08	1	0	8480	34
GPWPDQNFWHNIAQFNYGSC	2381.5	5.08	1	0	12490	24.5
HAQDTYQGPQGTVTQSVTGSC	2037.1	5.08	1	0	1490	34
HGIISIASQMDNNWFLMGSC	2224.5	5.08	1	0	5500	83
HGVWTWVNLINDGFMGGSC	2206.5	5.08	1	0	11000	87.5
HMVFGAINFYWIDAGTFGSC	2236.5	5.08	1	0	6990	63.5
IMHAYLIWGDLMNPFLWGSC	2367.8	5.08	1	0	12490	102.5
INMIFQPDQHANFFT WAGSC	2327.6	5.08	1	0	5500	49
LFHPVSWPPNPLDPSTPGSC	2148.4	5.08	1	0	5500	53.5
LLSSHPFLLAYNALMDGGSC	2109.4	5.08	1	0	1490	107.5
LLWNSDYMTTYPSNHAGSC	2323.5	5.08	1	0	9970	44
LPLLLLFTHYFLVDNVTGSC	2265.7	5.08	1	0	1490	146
LVVHLDQLQAPMSFIGIGSC	2128.5	5.08	1	0	0	131.5
NDAGTIVIGHNQYLNGMGSC	2064.2	5.08	1	0	1490	78
NLFFINIWNLDHWPWNNGSC	2490.7	5.08	1	0	16500	78
NSMQIPYVAWDWIFTHSGSC	2342.6	5.08	1	0	12490	58.5
PAHILVYFDAPGNFQNWGSC	2236.4	5.08	1	0	6990	63.5
PLPPADAPPYPFVHVNGGSC	2035.3	5.08	1	0	1490	58.5
PWAHQIIVYADLQFMGYGSC	2299.6	5.08	1	0	8480	83
PWFHPGSYNQQTWDASTGSC	2269.3	5.08	1	0	12490	5
QGSVDQTASTHAQTAWPGSC	2032.1	5.08	1	0	5500	29.5
QLPSHVQYMWMPADWINGSC	2363.7	5.08	1	0	12490	58.5
QTFFSDSHMIPIWPYQQGSC	2372.6	5.08	1	0	6990	39
QWSMMSDVMVLHVGPVGGSC	2176.6	5.08	1	0	5500	97
VAYPGSHFQFVIQFVDFGSC	2248.5	5.08	1	0	1490	68
VFIFTDVLPYPHANSQYGSC	2258.5	5.08	1	0	2980	73
VHDLNYPSPFVNTVSYNGSC	2279.4	5.08	1	0	4470	63
VMMQSYQNMPHTDAYTAGSC	2235.5	5.08	1	0	2980	24.5
VPDQHFTPSYFPTMWLFGSC	2360.6	5.08	1	0	6990	34
VQGMTGDMNIGYHYFGAGSC	2108.3	5.08	1	0	2980	39
VTLVLGTHDGGYGFMIPGSC	2024.3	5.08	1	0	1490	87.5
VVGMIFVQIDSGWHAIQGSC	2147.4	5.08	1	0	5500	107
WFYNNATVGWIGSHDITGSC	2228.4	5.08	1	0	12490	58.5
WGLSDTSGFVHWFMNAGSC	2201.4	5.08	1	0	11000	53.5
WMVPQHDLTTPVFIMLMGSC	2306.8	5.08	1	0	5500	87.5
YWNGLMYTPNQLTHDFAGSC	2318.5	5.08	1	0	8480	44
FLHGNDVYAPSFWYFIGSC	2322.6	5.08	1	0	8480	73
FMYFVHFVGYVAASTYDGSC	2264.5	5.08	1	0	4470	53.5
FNYTWLSAGIGHDGNTYGSC	2163.3	5.08	1	0	8480	44

GFNQWFSIDNWLHTAQWGSC	2397.6	5.08	1	0	16500	44
HMAMDLYNIPPGTGQGFSGSC	2096.3	5.08	1	0	1490	44
HWGTLINAFQWMTVAIDGSC	2250.5	5.08	1	0	11000	83
IFWWSPHFNDLTFPVGSGSC	2311.6	5.08	1	0	11000	53.5
NWALWVFFNLNWQTDHGSC	2437.7	5.08	1	0	16500	73
PIAAVPMQMWTHLGLVDGSC	2126.5	5.08	1	0	5500	97.5
PMDQHLLSIPGWTAVVGSC	2124.5	5.08	1	0	5500	112
PNQTTLIYQLHFQILWDGSC	2377.7	5.08	1	0	6990	97.5
QYLTAVHMFDPAFIVNWGSC	2299.6	5.08	1	0	6990	78
VPTGTYNLHVFVDWIQGSC	2298.5	5.08	1	0	6990	68
WYIQPDTSLSPWSIHGGSC	2247.5	5.08	1	0	12490	78
NGFFAGGHDHEDMLQMHGSC	2190.3	5.11	3	0	0	24.5
NQHNWGPMLNVDHEHLDGSC	2303.4	5.11	3	0	5500	53.5
VIQIHHWQDETYMMSHDGSC	2417.6	5.11	3	0	6990	53.5
VQDAWYWWHHQEYDVQHGSC	2574.7	5.11	3	0	19480	34
LNMEFHDLNPNMHADNGSC	2296.4	5.11	3	0	0	44
SDHQIAADNRNDIIFHIGSC	2226.4	5.12	3	1	0	88
DDKILPLPGHDAWSHANGSC	2150.4	5.13	3	1	5500	68.5
DIDFFNADIFIHWWKFPSC	2409.7	5.13	3	1	5500	63.5
DPNKIDWQIHHWQQTDGSC	2436.6	5.13	3	1	11000	39
FAYHDHGTQDFMDGIYRGSC	2320.5	5.13	3	1	2980	24.5
GDYHMTQDGTQHKDQSGSC	2281.3	5.13	3	1	6990	0
LRHPDYLHQVNDSDLQLGSC	2310.5	5.13	3	1	1490	92.5
NGHDYFDQDFAFHMVRAGSC	2317.4	5.13	3	1	1490	24.5
VTHIKVWTDGDYGDHLHWGSC	2289.5	5.13	3	1	12490	68
WHNHQDWQRMYNQDLSDGSC	2520.6	5.13	3	1	12490	19.5
MITFHWMKYDWDQVGDGSC	2456.7	5.13	3	1	12490	34
YQSYKYASDDHYHTPDGSC	2400.4	5.13	3	1	7450	5
SLNDYVPPMHMTVPQEPGSC	2208.4	5.14	2	0	1490	48.5
SVTMANIWDHLTEYYYHGSC	2390.6	5.14	2	0	9970	58.5
SWSNHIIVPTLIAHDEGSC	2166.3	5.14	2	0	5500	97.5
TFTYSYPMHPDGHLSMEGSC	2260.5	5.14	2	0	2980	19.5
TWSFQDQLHWNEIPTAHGSC	2357.5	5.14	2	0	11000	44
MPFQTDTLSHVEWGSQHGSC	2247.4	5.14	2	0	5500	34
ANNWTQIWFMHDLIEAHGSC	2423.6	5.15	2	0	12490	49
DLHIPHFLNENSNYWNNGSC	2374.5	5.15	2	0	6990	58.5
DTMGSAMIQHHAETWLSGSC	2162.3	5.15	2	0	5500	49
DTSMFHEFQHFFYTMIGSC	2385.6	5.15	2	0	1490	19.5
DVSFHHMGYFATVENNSGSC	2202.3	5.15	2	0	1490	34
EFITFFDFTYPHIVWHTGSC	2447.7	5.15	2	0	6990	53.5
EFLISFDIGPMTHWSHVGSC	2263.5	5.15	2	0	5500	73
ELWTVWWNHPVDPVMHVGSC	2392.7	5.15	2	0	16500	77.5
ELYAWFSVDPITHMNHVGSC	2306.6	5.15	2	0	6990	73
EWQPNMMNHAHLQVYNDGSC	2374.6	5.15	2	0	6990	39
FIIDHAWWWMGLTHGEVSC	2345.6	5.15	2	0	16500	78
FQTSEWWHINDQGAMHAGSC	2305.4	5.15	2	0	11000	29.5
FQYYSWELHGLHMLDSPGSC	2370.6	5.15	2	0	8480	58.5
FTGMVHDFAEAWSWSHAGSC	2226.4	5.15	2	0	11000	29.5
GEQWALGGTHDINQNMHGSC	2155.3	5.15	2	0	5500	44
GLHAMDNEMTWGAHWQNGSC	2245.4	5.15	2	0	11000	29.5
GNAAVPIGMIELATHDHGSC	1993.2	5.15	2	0	0	88
HFFNSLSIESSSQHFDIGSC	2242.4	5.15	2	0	0	58.5

HFGEHSWFPQLDFIVGMGSC	2294.5	5.15	2	0	5500	53.5
IALDSVIHALGTEYVHGSC	2098.4	5.15	2	0	1490	136.5
LLESVVVDMAHMNFMHWGSC	2306.7	5.15	2	0	5500	87.5
LQDNMHSWHASFVGSEQGSC	2220.3	5.15	2	0	5500	39
LQESTHDSHGFMGQAMMGSC	2154.3	5.15	2	0	0	24.5
NTSGFGHMDPAGQHFTEGSC	2080.1	5.15	2	0	0	5
QGEPDWHHVWYWWNTSQGSC	2503.6	5.15	2	0	23490	14.5
VASGLLHEFDYLVIGTHGSC	2205.4	5.15	2	0	6990	97.5
VPDGNHMLEGMYSQHPVGSC	2158.4	5.15	2	0	1490	48.5
VTAVLQHPYYWSTELHDGSC	2306.5	5.15	2	0	8480	73
WPANEVHYDWGPLGMHYGSC	2319.5	5.15	2	0	13980	39
WWDPHSYWFQQFGWHNEGSC	2597.7	5.15	2	0	23490	0
YDAMHEPLYVNMQHYFQGSC	2433.7	5.15	2	0	4470	39
YHPMESDPWFTHVTPFQGSC	2366.6	5.15	2	0	6990	14.5
GMEWIDMYMHQFGPHGPGSC	2280.5	5.15	2	0	6990	19.5
HLAMTYFEAPILSDVHPGSC	2188.5	5.15	2	0	1490	83
IEPLWGFDQHPMTYHISGSC	2318.6	5.15	2	0	6990	58.5
LFETHHITVFASLTDQGGSC	2163.3	5.15	2	0	0	78
LIFETFNWYHGQDFPHSGSC	2325.5	5.15	2	0	6990	39
LVVSILHTNTLHETDLNGSC	2166.4	5.15	2	0	0	126.5
NSWNQEYTDHVVYHGMFGSC	2374.5	5.15	2	0	8480	29
QGPIPIHPIAEYQHDNGSC	2189.4	5.15	2	0	1490	83
QWPIQLDMESVHMAQHMGSC	2328.6	5.15	2	0	5500	58.5
VIGDYEHVHVS LGIPMLGSC	2126.4	5.15	2	0	1490	121.5
WWHHWDMASTVPYIEMGGSC	2393.6	5.15	2	0	17990	39
WWWIDVVNHHYAILEPWGSC	2511.8	5.15	2	0	23490	92.5
DENDSNHYKQYQHHQDNGSC	2419.4	5.16	4	1	2980	0
EGEKTEGKKSKEEGEKTGSC	2141.2	5.16	6	5	0	0
PESMSMVFGHDIGIVHGSC	2060.3	5.16	2	0	0	68
PTYHIALIDELGAQYSHGSC	2175.4	5.16	2	0	2980	88
THPHQYNAHDMVLEFGEGSC	2272.4	5.16	3	0	1490	39
PHSGEHWDGPTNWGNALGSC	2122.2	5.16	2	0	11000	24.5
DWAEQLYLLAEHHHPYGSC	2432.6	5.17	3	0	9970	68.5
HPEQLSYVHVDHTGLEAGSC	2179.3	5.17	3	0	1490	73
LYHYDHEYFWVHSWWTEGSC	2645.8	5.17	3	0	20970	34
TFASTMASMMQVAYWFGSC	2282.6	5.18	0	0	8480	29.5
TIIGNPNKWIDDHTVGTGSC	2128.3	5.18	2	1	5500	73
TLSFYVIPMWFAGVVTMGSC	2209.6	5.18	0	0	6990	87.5
TMYTLVLTMMYPFNQMQGSC	2359.8	5.18	0	0	2980	53.5
TPDMKAMQYLLTTHPDVGSC	2208.5	5.18	2	1	1490	58.5
TSIWMPQMINQIPWFLTGSC	2353.8	5.18	0	0	11000	78
TSSNMAWLAQNVPTAIGSC	2064.3	5.18	0	0	5500	88
TWIFNNLQWWATVPLPSGSC	2320.6	5.18	0	0	16500	78
TLASFWAPLQINQIMLMGSC	2224.6	5.18	0	0	5500	107.5
MDLFGIHLQAFQLDWKVGSC	2308.7	5.19	2	1	5500	97.5
MSMMFHMKDFIDMMFVPGSC	2385.9	5.19	2	1	0	34
MVISMDFPKPGANIDHSGSC	2106.4	5.19	2	1	0	58.5
SDDNTHPNGSSPMINAKGSC	2032.1	5.19	2	1	0	24.5
SKYPGKHNNHIDDDPPGSC	2195.3	5.19	4	2	1490	39
SQDMLHLFYDLAFTTPRGSC	2302.6	5.19	2	1	1490	63.5
SQHLKDIRHGDDMGFDVGSC	2217.4	5.19	4	2	0	53.5
IHDRRIPIANDRPQDGHNGSC	2217.3	5.2	4	2	0	44

MDHDEVQWINSFYVKHQGSC	2423.6	5.2	3	1	6990	48.5
MHDHIKEVTMWSQDFYSGSC	2401.6	5.2	3	1	6990	34
SGWKWVVVHDMWLWHEIDGSC	2384.7	5.2	3	1	16500	82.5
SHRDHRQEEHDTSTDDGSC	2349.3	5.2	6	2	0	0
TMADKHWAQDHYELYNPGSC	2366.5	5.2	3	1	8480	29.5
DDDHVNWWWDWKTMFVRGSC	2534.7	5.2	4	2	16500	29
HDHVVKDGDLMKPVSTDGSC	2140.3	5.2	4	2	0	63
AGDKGPTDQIISHNATLGSC	1985.1	5.21	2	1	0	68.5
ANQTHYDPTSSDMVWPKGSC	2224.4	5.21	2	1	6990	19.5
DAWYMSDVTMHRWNVYNGSC	2435.6	5.21	2	1	13980	34
DGWGKVSHPMFFQDPTVGSC	2195.4	5.21	2	1	5500	29
DLWDNGPFSSLLTRTMHGSC	2237.4	5.21	2	1	5500	58.5
DMGWRQPQSLYIDWASHGSC	2337.5	5.21	2	1	12490	44
DMWFDYHPEFISMSWRHGSC	2531.8	5.21	3	1	12490	19.5
DNDHGYVSIIMNFSYIKGSC	2263.5	5.21	2	1	2980	73
DSGHEIFNPVHSTGDVRGSC	2114.2	5.21	3	1	0	48.5
DVNEMHHVSSVIKAGDWGSC	2171.3	5.21	3	1	5500	68
DYVRLPWGYADVHSNSNGSC	2240.3	5.21	2	1	8480	53.5
EVNVFVRLSDSNIHMDHGSC	2259.5	5.21	3	1	0	82.5
FATASRWNSNDTHNVDWGSC	2268.3	5.21	2	1	11000	24.5
FDIHKMHLLDEWSLITSGSC	2332.6	5.21	3	1	5500	97.5
FHQQPNLDLADKSASLWGSC	2217.4	5.21	2	1	5500	68.5
FPDFNYMALMQHSRNDVGSC	2332.6	5.21	2	1	1490	39
FPPHNDTFGMMGRDQQLGSC	2238.5	5.21	2	1	0	19.5
FQDLVRVDSLWSHYLAMGSC	2327.6	5.21	2	1	6990	92.5
GADVIPVHHRWNLDNLEGSC	2232.4	5.21	3	1	5500	92.5
GFDATVDAKFPQHGAGQGSC	1993.1	5.21	2	1	0	29.5
GFLMLAPDDYKGPHLPGSC	2131.4	5.21	2	1	1490	83
GTKSDNAEQHSDHWSIFGSC	2206.2	5.21	3	1	5500	24.5
HGDIYYHNVDNRNNEYEPGSC	2367.4	5.21	3	1	4470	34
HHQFFWGKWDQSPDEQVGSC	2418.5	5.21	3	1	11000	14.5
HMYWYISSDIDFSIMRMGSC	2442.8	5.21	2	1	8480	58.5
HNYYVYWHADEADVGVKGSC	2313.4	5.21	3	1	9970	53.5
HRLSALMDPMPFDWHEANGSC	2317.6	5.21	3	1	5500	49
HTADNLTRSQFDSYVWFGSC	2334.5	5.21	2	1	6990	39
HTMLVLTDTLLIRDMLMGSC	2263.7	5.21	2	1	0	131.5
HTSQMTDMMFKFLIMWDGSC	2409.8	5.21	2	1	5500	39
HVAPQPPVPDPRIDIPGGSC	2052.3	5.21	2	1	0	73
HWMYYTVMPLKTTDDNYGSC	2425.7	5.21	2	1	9970	34
IFYIHQRNMNNLGSDDGSC	2297.5	5.21	2	1	1490	78
IQHYAWWYRDQNNWSIDGSC	2542.7	5.21	2	1	19480	44
IYHMQNANDYIDQLGNRGSC	2312.5	5.21	2	1	2980	63.5
KILPETSIMLDATDHHYGSC	2231.5	5.21	3	1	1490	83
LGTAHARDLYYQLQDAWGSC	2268.4	5.21	2	1	8480	73.5
LHQFPKFFYYDPGLIDYGSC	2360.6	5.21	2	1	4470	58.5
LPDSYGKGNFLAVYPHIGSC	2196.4	5.21	2	1	2980	78
NDGIDNPFSVVMHQRTAGSC	2235.4	5.21	2	1	5500	39
NFAMDATSGWPQLDLRHGSC	2206.4	5.21	2	1	5500	49
NNTQNEHNKDDHHEHSEGSC	2332.2	5.21	5	1	0	0
NPASEHGQVHDRDLMLSGSC	2153.3	5.21	3	1	0	58.5
QDHYNWFHMFMLGDQKEGSC	2473.7	5.21	3	1	6990	19.5
QFHFANYLSDPTKQMDTGSC	2290.5	5.21	2	1	1490	24.5

QGAGHQPFKADVTADFGGSC	1993.1	5.21	2	1	0	29.5
QSADMKPIIHQYNSQWDGSC	2308.5	5.21	2	1	6990	44
QTQMGAPPWFWDHQDLGSC	2332.5	5.21	2	1	11000	24.5
QTQQFTVYHFTTVDDSKGSC	2292.4	5.21	2	1	1490	29
RGMVDSITMVHTNDTQVGSC	2151.4	5.21	2	1	0	63
RNSFVYMDMHTQMLFDAGSC	2353.6	5.21	2	1	1490	39
RSDATTYDSHFLALAMQGSC	2174.3	5.21	2	1	1490	54
RTSYDQLHFEFVHNDQWGSC	2469.6	5.21	3	1	6990	34
TEHYFSILTPEPTGSAHGSC	2134.3	5.21	2	0	1490	44
TVHIYTMLPWYIENTWAGSC	2385.7	5.21	1	0	13980	78
TVQHTWGQIMFYLYEWTGSC	2450.7	5.21	1	0	13980	53.5
TWGFFGEMSTIMAHSQQGSC	2205.4	5.21	1	0	5500	24.5
VAVMDLFTGTVRDVHIIGSC	2133.5	5.21	2	1	0	121.5
VDHWDFTSGPFIRQYVNGSC	2328.5	5.21	2	1	6990	48.5
VFFMYDAVRTIASYHDGGSC	2239.5	5.21	2	1	2980	58.5
VFQHQNRIDTFDSFLFNGSC	2375.6	5.21	2	1	0	53.5
VHIFRTSDQDTAHEYMNGSC	2311.4	5.21	3	1	1490	39
VHQMDQIRSLAYNDAGPGSC	2162.3	5.21	2	1	1490	63.5
VKSTHTWQTPPMTMDDLSC	2235.5	5.21	2	1	5500	34
VRYDHAVVQWIDTGLMTGSC	2251.5	5.21	2	1	6990	87.5
VTPDQFFMPHSVKGWGDGSC	2195.4	5.21	2	1	5500	29
VVSLGTIQDPMAMDWRHGSC	2203.5	5.21	2	1	5500	73
WDYADINRYTAQEHTHTGSC	2368.4	5.21	3	1	8480	29.5
WGPIEDFDKSMHLALGHGSC	2200.4	5.21	3	1	5500	63.5
WIIFGHEFKMDVDGHYSGSC	2328.6	5.21	3	1	6990	53.5
WMTLPVSTQNHLWRDDQGSC	2374.6	5.21	2	1	11000	53.5
WNHMDVDNFHYVETYRYGSC	2536.7	5.21	3	1	9970	29
WQIASYGTQTFDKYHADGSC	2278.4	5.21	2	1	8480	29.5
WYDARNMMFDPWHTWGLGSC	2473.7	5.21	2	1	17990	24.5
YFYWIADWKQHDGLYMMGSC	2514.8	5.21	2	1	15470	44
YIRFPHQQSNSSSLVDDGSC	2240.3	5.21	2	1	1490	53.5
YKGNGLGHGWTPVDNMGSC	2108.2	5.21	2	1	6990	34
YMVHTIDDMVLMFMIFGSC	2381.9	5.21	2	1	1490	87.5
YRYTEVYHFNDVDMHNWGSC	2536.7	5.21	3	1	9970	29
YTPHYFPPEHDRLIADYGSC	2381.6	5.21	3	1	4470	44
YVQFSDHADIMPALYRNGSC	2287.5	5.21	2	1	2980	63.5
YWVDSWPHFADNLTTRLGSC	2368.6	5.21	2	1	12490	58.5
DSPQFDWYLAQMKEYHSGSC	2391.6	5.21	2	1	8480	24.5
FQHMWLGFKHDFADNENGSC	2383.6	5.21	3	1	5500	24.5
HRTGADGNGDHEGQWGSWSC	2028	5.21	3	1	5500	5
KQAVYYIYNWFHVDSDWGSC	2481.7	5.21	2	1	15470	53.5
LDQQDVWFTATTTHKFVMGSC	2314.6	5.21	2	1	5500	53.5
LIHSLREFIVTSYSDHSGSC	2279.5	5.21	3	1	1490	92.5
QFDVDHLGINPHKVIFEGSC	2255.5	5.21	3	1	0	87.5
QMSDYASANPTKHNADGGSC	2054.1	5.21	2	1	1490	15
TFWHWYVLFVPPLEYLNGSC	2471.8	5.21	1	0	13980	87.5
TMIVMFTGSANPWIEHWGSC	2267.6	5.21	1	0	11000	58.5
WADIHELWYNPAYRPDHGSC	2430.6	5.21	3	1	13980	49
WLRNSPLMDYDSWQNHGSC	2406.6	5.21	2	1	12490	39
WVIHMDGVPSYVHIEKDGSC	2272.5	5.21	3	1	6990	82.5
YKMDWSIAFQIMHFDVSGSC	2365.7	5.21	2	1	6990	58.5
MAVNYFVMEFPIIMHNIGSC	2316.7	5.22	1	0	1490	92.5

MGSPWANAHEHTSPEANGSC	2083.1	5.22	2	0	5500	15
MSFLMNWLPEAQNGHFIGSC	2282.6	5.22	1	0	5500	63.5
MWWINITGELMWAMMHMGSC	2428.9	5.22	1	0	16500	63.5
PHPSSGYITYPKDMFDSGSC	2189.4	5.22	2	1	2980	19.5
PMSQTEAHLAPDHDMKNGSC	2169.3	5.22	3	1	0	29.5
SEHEFAGQPHNQLGNGPGSC	2066.1	5.22	2	0	0	24.5
SIHPNPLEMIVQIAVWWGSC	2280.6	5.22	1	0	11000	112
SMLAMSWWAWGTVAHENGSC	2224.5	5.22	1	0	16500	49
SNAMPSGSIIAASHVEVGSC	1917.1	5.22	1	0	0	83
SNIEHNAYVSYLLFNPQGSC	2256.4	5.22	1	0	2980	78
SYMNLLAHENYMQASSQGSC	2234.4	5.22	1	0	2980	49
MTPGYNFHNWILGYIEGSC	2315.6	5.22	1	0	8480	78
SEFWEHTFANTHQWWNQGSC	2495.6	5.22	2	0	16500	5
AMNVWLNSEGECSINHHGSC	2142.3	5.23	2	0	5500	58.5
EGMMHTHFYTIYIGLAEGSC	2260.5	5.23	2	0	2980	63.5
EIMWTHSWNIGNNHLEGGSC	2285.4	5.23	2	0	11000	58.5
FFNHFGEEYQITHFPQMGSC	2419.6	5.23	2	0	1490	19.5
GFVWEVYVFEHAATHGWGSC	2282.5	5.23	2	0	12490	53.5
GMLELHQVLPLVMPHEGGSC	2147.5	5.23	2	0	0	107
HEYSEHGWFQAYAVPMFGSC	2346.5	5.23	2	0	8480	24.5
HPTVMIAHEPSWGIAAEGSC	2093.3	5.23	2	0	5500	68.5
LEQWTNYQPHPQHFMGYGSC	2495.7	5.23	2	0	8480	19.5
NAHGPAAMEHAWSSYYEGSC	2168.3	5.23	2	0	8480	20
NLLHFWEESLIHLFTMSGSC	2364.7	5.23	2	0	5500	97.5
QHYEFITYPGETYIQSHGSC	2360.5	5.23	2	0	4470	39
QQENYENPPIMFYHHSTGSC	2382.5	5.23	2	0	2980	19.5
AHESFLNEPAWTWQHWGTGSC	2387.5	5.23	2	0	16500	29.5
HLVSTNPNGGIHEWELSGSC	2137.3	5.23	2	0	5500	73
HLYTHPNGFMEAGTELPGSC	2161.3	5.23	2	0	1490	44
PETFFHQYYFAYPEHGIGSC	2393.6	5.23	2	0	4470	24.5
VESSHIPNATLAWEHLIGSC	2164.4	5.23	2	0	5500	102.5
AAHFIALEYMLSGQFIAGSC	2129.4	5.24	1	0	1490	98
AAIPPSPEQFMAQHANAGSC	2027.2	5.24	1	0	0	44.5
ALVFQIHGGAELQFPAYGSC	2108.4	5.24	1	0	1490	88
ATQPVFVGSHMINAETVGSC	2048.3	5.24	1	0	0	73
AVPGPQILPEWNSMWHLGSC	2222.5	5.24	1	0	11000	78
EMWPYNGQAQLHSSMMMGS	2288.6	5.24	1	0	6990	24.5
EPSQMSWFANSHYGSAGSC	2232.3	5.24	1	0	12490	10
EQNVGLQWSYYIGTGAGSC	2170.3	5.24	1	0	8480	58.5
ETGNNWVFMQLAHMPTWGSC	2309.6	5.24	1	0	11000	39
FESTTMHQVGLLFTFLGGSC	2175.5	5.24	1	0	0	73
FFMSGVNHTFEQMGPVQGSC	2203.4	5.24	1	0	0	29
FGSQVGNMIPQENHAILGSC	2102.3	5.24	1	0	0	78
FIGFLNSNLMQNEFHLQGSC	2299.6	5.24	1	0	0	78
FTVQHWQNWIAPNELTMGSC	2362.6	5.24	1	0	11000	58.5
FVMLYFYMYHATENNLOGSC	2431.7	5.24	1	0	4470	58.5
FWPNNMEWILHGFIWLGSC	2463.9	5.24	1	0	16500	97.5
GFMLFGGNPLEYAWYAHGSC	2220.5	5.24	1	0	8480	49
GGMLEGYLISHQSLFANGSC	2084.3	5.24	1	0	1490	83
GHIQLYSVSNLQLEINGSC	2222.5	5.24	1	0	1490	112
GHPVYFGNENLMFTVMAGSC	2174.4	5.24	1	0	1490	53.5
HLQFWSQQLPALVINQGSC	2298.6	5.24	1	0	5500	97.5

HLTMTFMIEITFAGFTQGSC	2235.6	5.24	1	0	0	63.5
HMQTYITNIWLVEQMGVSC	2400.8	5.24	1	0	6990	87.5
HSLGYQGPENVWNGNSLGSC	2119.2	5.24	1	0	6990	53.5
IHVYNNLVEFAYSWATLGSC	2287.5	5.24	1	0	8480	97.5
IMQWGSYQEGAHGFNFLGSC	2232.4	5.24	1	0	6990	44
INWVMLEINVYSHALMQGSC	2308.7	5.24	1	0	6990	112
LPQHMGYWAPNAMEMGFGSC	2227.5	5.24	1	0	6990	29.5
LSVISGMHSEWPVLWFLGSC	2248.6	5.24	1	0	11000	107
LVLIVWSETWIMMGVQHGSC	2289.7	5.24	1	0	11000	121.5
NFAMILYGYLQINHAEFGGSC	2235.5	5.24	1	0	2980	68.5
NMPIFLSGPLHSEVMTAGSC	2091.4	5.24	1	0	0	78
NSIVGYVNEPLWTYPHSGSC	2223.4	5.24	1	0	8480	68
NSWNTMHANNPGVPGEFGSC	2069.2	5.24	1	0	5500	19.5
QEMYLHNNINAQYWMFIGSC	2462.8	5.24	1	0	8480	63.5
QIHEGVQMQQMNGGFNPGSC	2162.4	5.24	1	0	0	34
STYSMFAGGPQAGVTNYGSC	1998.1	5.24	0	0	2980	24.5
SVMMAVMSQPWLLQSFYGGSC	2265.7	5.24	0	0	6990	73
VNWAYNMNHEMTATTATGSC	2202.4	5.24	1	0	6990	29.5
VTLFSYNPATTGEWVLHGSC	2182.4	5.24	1	0	6990	73
VWGIINNMSHLYMEFMGSC	2319.7	5.24	1	0	6990	73
VWIIHALYIGGMWIVEVWGSC	2319.7	5.24	1	0	17990	126.5
YAQWNHFYELSMMFYVSGSC	2463.7	5.24	1	0	9970	39
YFYIAMHFVNSLIYPMEGSC	2385.8	5.24	1	0	4470	78
YYLWYIEFFTHSTLSTGSC	2431.7	5.24	1	0	9970	78
ATNEATNMYLNMYHYVIGSC	2295.5	5.24	1	0	4470	63.5
EPGMGFLGSHLVYLWPPGSC	2147.4	5.24	1	0	6990	73
GWWGYLYYHEFNAPAYQGSC	2412.6	5.24	1	0	16960	29.5
IGSQEFLPASHAFQYIMGSC	2186.4	5.24	1	0	1490	68.5
ISIILAPPGIEMGHAQQGSC	2022.3	5.24	1	0	0	107.5
QNLSPPWVTYEHIMFMGGSC	2297.6	5.24	1	0	6990	53.5
STYSGPTQNNQQYSNMMGSC	2198.3	5.24	0	0	2980	0
SWPYNVAAGFGGTTVGIGSC	2034.2	5.24	0	0	6990	58.5
YQWYHETNFLMFTATQTGSC	2428.6	5.24	1	0	8480	24.5
DNEDHSERQHDRYHNQSGSC	2414.3	5.25	5	2	1490	0
MKHTDWGDNRFPDEQHVGGSC	2359.5	5.25	4	2	5500	14.5
MKIYDDARTENHHGDLFGSC	2309.5	5.25	4	2	1490	44
PFAPMELMHTPIGSGSTGSC	2020.3	5.25	1	0	0	44
PHNLTNTQINPINQEGQGSC	2165.3	5.25	1	0	0	58.5
PMYPHLVGWEYTNTRYSGSC	2262.5	5.25	1	0	9970	34
PQHPGVLTMWQGEQIANGSC	2153.4	5.25	1	0	5500	58.5
AQRQGDYYHSKPEHDDNGSC	2307.3	5.26	4	2	2980	5
DKTWHYHYDDIYEIFWRGSC	2634.8	5.26	4	2	15470	39
ETGKIEMFHIHDPGHEPGSC	2221.4	5.26	4	1	0	39
HAPHEYRDDMDMGVVKGSC	2310.5	5.26	4	2	2980	34
HETDQSFNEETWKHNHNGSC	2400.4	5.26	4	1	5500	0
SHTNVWEYDNHTPKYEVGSC	2366.5	5.26	3	1	8480	29
TEHKTHMFLMSDNGENGSC	2251.4	5.26	3	1	0	39
VDRDVDNEHYLGFQIRHGSC	2360.5	5.26	4	2	1490	68
VSFFVHNYDLKDRFDHEGSC	2415.6	5.26	4	2	1490	48.5
WGQHEHDSMDMKGRVVGSC	2274.4	5.26	4	2	5500	29
WWHRRDAGVDWMVEYDHGSC	2505.7	5.26	4	2	17990	34
FTYIDDTFHRYHVRMDEGSC	2492.7	5.26	4	2	2980	34

LHEHMPSEHFIYRWWEDGSC	2559.8	5.26	4	1	12490	39
DEPHHEPNRFYIVINAMGSC	2329.5	5.27	3	1	1490	58.5
DKTHFVEPMQNQQNVEHGSC	2328.5	5.27	3	1	0	29
GGFSEYRPDFEQGNHNHGSC	2238.2	5.27	3	1	1490	0
GIIWLMERHWYHQDEIQGSC	2501.8	5.27	3	1	12490	78
GPLTFLKSSNTDEHEHPGSC	2156.3	5.27	3	1	0	39
GTSHLVIEFHRGDQVQEGSC	2199.3	5.27	3	1	0	68
HHMDNGGIRLMMWEESSGSC	2277.5	5.27	3	1	5500	39
HKPLEFDYHIIWEAGTAGSC	2274.5	5.27	3	1	6990	68.5
HKVGENQDSAEWAWVHVGSC	2239.4	5.27	3	1	11000	53.5
HNREWTIQVASGEPGDHGSC	2180.3	5.27	3	1	5500	39
HPFEWHIIADLKLGTENGSC	2284.6	5.27	3	1	5500	83
HSEWPESKASGDQMYHMGSC	2267.4	5.27	3	1	6990	5
HSNQVHQFLDEQFVFREGSC	2407.6	5.27	3	1	0	48.5
HVIDPHVQFPQEAQREGGSC	2234.4	5.27	3	1	0	53.5
IHQFEVTRQQHEYSFPDGGSC	2408.5	5.27	3	1	1490	34
IHRPNADNHFGAEEYYSGSC	2267.3	5.27	3	1	2980	29.5
KPSNPTHTPPEDAWMAHEGSC	2191.3	5.27	3	1	5500	10
KYNGPSQTAEMEHDNHQGSC	2233.3	5.27	3	1	1490	5
MAGPGAGPILIAFAMMFGSC	1942.4	5.27	0	0	0	78.5
MAGQWPNVQLTFGVWYQGSC	2272.5	5.27	0	0	12490	53.5
MFPPLGMLAMGAAFIPGGSC	1968.4	5.27	0	0	0	73.5
MIVGFGMFMAAFLGAAGGSC	1938.3	5.27	0	0	0	73.5
MMPVSVPWVPSMYNLGPGSC	2152.5	5.27	0	0	6990	63
MPGAGLIMPILVVGFGAGSC	1890.3	5.27	0	0	0	117
MPPMMVMFMGPILPLVAFGSC	2138.7	5.27	0	0	0	92.5
MQSWLQTTTAWWMMAWLGSC	2418.8	5.27	0	0	22000	49
MTPGTPTPITMPISLSFGSC	2038.4	5.27	0	0	0	58.5
MVVAVLAAGGVVIGLAIGSC	1800.2	5.27	0	0	0	170.5
MWMSWGWAMLWLNMMQMGSC	2406.9	5.27	0	0	22000	44
MYYNHKSFQHEFLMDWEGSC	2552.8	5.27	3	1	8480	19.5
NHHPEDFESIYKYSQTGSC	2299.4	5.27	3	1	2980	19.5
NQKPYLTHLTLEIEDHNGSC	2312.5	5.27	3	1	1490	78
QEPFKWSTSHEQHQLDTGSC	2345.4	5.27	3	1	5500	19.5
QHATIHDEVVVEKGSQLGSC	2224.4	5.27	3	1	5500	73
QLKESTLGDIIHIHYMEGSC	2274.5	5.27	3	1	1490	97.5
QMVLNKAWNDHEETMWHGSC	2416.6	5.27	3	1	11000	39
REFDYGFQHWHEVAALGGSC	2309.5	5.27	3	1	6990	44
RGMFHSPGDVMETEPHVGSC	2173.4	5.27	3	1	0	29
TNSNDVLDGNRDYHVSARGSC	2209.2	5.27	3	2	1490	48.5
GMENDQFQEHNRHNVGGGSC	2216.3	5.27	3	1	0	14.5
AEHHNGTEQITDPVLKPGSC	2133.3	5.28	3	1	0	58.5
AGNRLHQNHPEPDIAIELGSC	2174.3	5.28	3	1	0	88
AHHLASPDTKPEPFGNGSC	2094.2	5.28	3	1	0	29.5
MFKHTDVNDRMVNWDLIGSC	2381.7	5.28	3	2	5500	68
MSKLIRLDDAHPNPPLDGGSC	2179.4	5.28	3	2	0	83
PHHNLIASPEKEYYPDGGSC	2214.3	5.28	3	1	2980	44
AEHYGGLFDREYHWTNGGSC	2299.4	5.28	3	1	8480	24.5
PMMQPVLEHVFEFIHRDGGSC	2372.7	5.28	3	1	0	68
TAEHRADSVPLAGFLWVGSC	2116.3	5.29	2	1	5500	83
THGVSFLLISDGERFPGSC	2135.4	5.29	2	1	0	92.5
THLQELLAPDWQVFRFNGSC	2361.6	5.29	2	1	5500	78

THNTMVTPDYTPKNEYGSC	2321.5	5.29	2	1	4470	14.5
TQMLPHVIQSVGGEPDGGSC	2111.3	5.29	2	1	0	68
TSSQFARHEQDFLNVIWGSC	2325.5	5.29	2	1	5500	58.5
APDTTDGNNHKSRDPIYGSC	2148.2	5.3	3	2	1490	24.5
DDDNRKHTNRNQHQEQDGGSC	2397.3	5.3	5	3	0	0
DDYQGRMSKWMWDYYHMGSC	2559.8	5.3	3	2	15470	0
DILKDDQTLAVTNPHKWGSC	2241.5	5.3	3	2	5500	78
GGDHPDWDNPFYKYKYMGGSC	2380.5	5.3	3	2	9970	0
GHDYIPMVNDGAMRKSDGGSC	2153.3	5.3	3	2	1490	39
LFRIGWLDYDDHRFYWIGSC	2562.8	5.3	3	2	13980	78
MAESDPSQHTPGRTNTSGSC	2063.1	5.3	2	1	0	5
MDNEDTHKHLWAKFPVEGSC	2344.6	5.3	4	2	5500	39
MEYALWTPVHIIDSTKMGSC	2282.6	5.3	2	1	6990	78
MIGTYKEPGNTDVSSHPPGSC	2080.2	5.3	2	1	1490	34
MLEWSDLVWKHSLAIWNGSC	2375.7	5.3	2	1	16500	97.5
MLFLFWGPLDWERFYHWGSC	2591	5.3	2	1	17990	58.5
MMHFELTNFQTQPPDYKGGSC	2374.6	5.3	2	1	1490	19.5
MNYDSMTVHFIVIEYPGSC	2334.7	5.3	2	1	2980	68
MTEMLIFDNVGHWTSTKNGSC	2270.5	5.3	2	1	5500	53.5
NDWFPHSDLKMSDPQAKGGSC	2263.4	5.3	3	2	5500	24.5
QHLGKMDGDKTFVLDGMGGSC	2139.4	5.3	3	2	0	53.5
RDLSDHDPQAAWPQMKTGGSC	2243.4	5.3	3	2	5500	29.5
SAVMTLMARMIMMLEDHGSC	2227.7	5.3	2	1	0	83
SERAGPMIYWYSDQMYHGGSC	2331.6	5.3	2	1	8480	44
SEVYARWADHGNQQITFGSC	2269.4	5.3	2	1	6990	44
SFLDEHGSYAFKMSMWSGGSC	2270.5	5.3	2	1	6990	24.5
SGYHAFASRIITEYANDGGSC	2162.3	5.3	2	1	2980	54
SLDGVARSWPGGYGEGHGGSC	1992.1	5.3	2	1	6990	39
SVSDREPGATHFWWYLNNGSC	2312.5	5.3	2	1	12490	39
VHMAPDQNMVFDDRAWKGGSC	2307.6	5.3	3	2	5500	39
WGRYNVDAAWDPLDGKHGGSC	2247.4	5.3	3	2	12490	44
DLASKRNMWANDDFVHFGSC	2313.5	5.3	3	2	5500	44
DMHDSYVSKNVKGAVAGSC	2083.2	5.3	3	2	1490	53.5
DSPDSQTVTWDGRRHNMGGSC	2249.3	5.3	3	2	5500	14.5
DVYMTIKTRVHVG DYDMGGSC	2290.6	5.3	3	2	2980	63
GRYVPFRFMDTDWDTHTGSC	2391.6	5.3	3	2	6990	14.5
LGWKQMDKHTIDVDNPPGGSC	2241.5	5.3	3	2	5500	53.5
MSAEQNGLILRHDFAWLGGSC	2248.5	5.3	2	1	5500	88
SHENWDKISQTNIFWFFGGSC	2446.6	5.3	2	1	11000	39
ADLDHTMNRWPQEEPHRGSC	2379.5	5.31	4	2	5500	24.5
DHRFWIKDMQYTIHEEPGGSC	2492.7	5.31	4	2	6990	39
HEMAGDDNTREHFYTKNGSC	2312.4	5.31	4	2	1490	5
LEREVHFWARDADPGHLGGSC	2295.5	5.31	4	2	5500	63.5
LHHLYFKEDARFPDYIEGSC	2440.7	5.31	4	2	2980	63.5
NKGFHDEMHEMDFYPYGGSC	2435.6	5.31	4	2	2980	0
QKWMGDHVEMHKVD EYGGSC	2392.7	5.31	4	2	6990	48.5
RRNHGPFTIWEEDQVDHGGSC	2383.5	5.31	4	2	5500	34
TSRGFHGFEEGEGATHAGSC	2037.1	5.31	3	1	0	10
SINEHMMHETENKNVITGGSC	2274.5	5.31	3	1	0	53.5
VNETRKWWHEDTTHIDPGSC	2411.5	5.31	4	2	11000	34
AENWWKQWDSINMMVHNGSC	2436.7	5.32	2	1	16500	39
AFNVLWWEHGGQFASYRDGGSC	2373.5	5.32	2	1	12490	44

AGLLWQWKGWDIHEWNGSC	2449.7	5.32	2	1	23490	63.5
AHKNTQQEDVTLWNWYIGSC	2393.6	5.32	2	1	12490	58.5
APQSYTKHDPFLFYSWNGSC	2330.5	5.32	2	1	8480	24.5
AYDFYFTWYWAHPVSREGSC	2485.7	5.32	2	1	15470	24.5
DEPKQYASWYTHWTNWAGSC	2430.5	5.32	2	1	19480	10
DHLSQIIVGTIINEKYPGSC	2187.5	5.32	2	1	1490	112
DHVNIKGNFLAETYQSQGSC	2211.3	5.32	2	1	1490	58.5
DHWWWMMQTRVLWEVATGGSC	2393.7	5.32	2	1	16500	53.5
DIAEPGKHIWAVLFFVFGSC	2236.6	5.32	2	1	5500	97.5
DIHWGGPRTSTEAPQIMGSC	2143.3	5.32	2	1	5500	44
DILGGQGNVLHREAGPQGSC	2008.2	5.32	2	1	0	78
DLHITEYAGWGQGSVKAGSC	2079.2	5.32	2	1	6990	63.5
DMTRVESQQTHTPVQIAGSC	2188.4	5.32	2	1	0	53.5
DQRWMITPHMYELISYVGSC	2429.8	5.32	2	1	8480	73
DQYWHQFAGFGRASESYGSC	2296.4	5.32	2	1	8480	10
DRYANYNNMPPGMEIHLGSC	2282.5	5.32	2	1	2980	44
DWGIRIMYMIYNLEHSNGSC	2402.7	5.32	2	1	8480	78
DWKEWTYANQVHVGINVGSC	2306.5	5.32	2	1	12490	68
EIMVRQAPMPFNNHDQAGSC	2245.5	5.32	2	1	0	44
EKNHLSLWFSNFAMSLDGSC	2286.5	5.32	2	1	5500	63.5
EMNHGPVYMARYLFQPDGSC	2315.6	5.32	2	1	2980	39
ERWNGGWAATDAMVPLHGSC	2158.3	5.32	2	1	11000	49
EVLHQISPWFWDWNKGFAGSC	2321.5	5.32	2	1	11000	58.5
FDYNGLGHSVSKENFNNGSC	2189.3	5.32	2	1	1490	34
FFFDGANFHRPWAISEWGSC	2374.6	5.32	2	1	11000	29.5
FHAEWAVRFLYTNDWMTGSC	2434.7	5.32	2	1	12490	44
FHPSPPPRWFFTEDYVQGSC	2397.6	5.32	2	1	6990	14.5
FHWVVSNSADRSNQEGNGSC	2194.2	5.32	2	1	5500	34
FQKMQINGHDWLPVMGEGSC	2277.6	5.32	2	1	5500	53.5
FSMQLESINMDIRMMMHGSC	2361.8	5.32	2	1	0	58.5
FVPNWTEFDIVRVGMHTGSC	2295.6	5.32	2	1	5500	63
FVWSNQHYDFYEAPTVKGSC	2378.6	5.32	2	1	8480	34
FYGEDQAHTYQQMWRGFGSC	2411.6	5.32	2	1	8480	5
GEWDMVISNQVYRVLAHGSC	2264.5	5.32	2	1	6990	87.5
GLNGMEWDSKHIYYTIPGSC	2271.5	5.32	2	1	8480	58.5
GLQMRFDVSHMYIQVENGSC	2314.6	5.32	2	1	1490	68
GMQFLQALQGREHDWMLGSC	2307.6	5.32	2	1	5500	63.5
GQTTREYDVQWWGPHSMGSC	2325.5	5.32	2	1	12490	14.5
GVSPRIDANQQHTTTQEGSC	2129.2	5.32	2	1	0	39
GYTHEQPTVWMLKIMDIGSC	2371.7	5.32	2	1	8480	73
HAAKNEGPVDNNVWNFIGSC	2172.3	5.32	2	1	5500	58.5
HALWWASQFDAFPKAQEGSC	2279.5	5.32	2	1	11000	39.5
HAPARNAWDIGYVQNETGSC	2189.3	5.32	2	1	6990	49
HEQVGSKLVGGMQTWDIGSC	2132.3	5.32	2	1	5500	68
HFWKQLMESTYDSILPFGSC	2389.7	5.32	2	1	6990	58.5
HKQFLNYWIDSESAFSSGSC	2306.4	5.32	2	1	6990	44
HMRGWITPIEWLIGDSIGSC	2271.6	5.32	2	1	11000	97.5
HRYLDFNNNPLYPESMWGSC	2443.6	5.32	2	1	8480	39
IEWSMPPSYRTDTYHPLGSC	2340.6	5.32	2	1	8480	39
IIRLDFFWWFHYGQNMEGSC	2549.9	5.32	2	1	12490	58.5
IKWLHYYFMIFDMQEAAGSC	2453.8	5.32	2	1	8480	68.5
ITHVGVEPDLMNKPWGFSGSC	2187.5	5.32	2	1	5500	68

IWKIHYTQQTELGTNDYGSC	2357.5	5.32	2	1	8480	58.5
IWSYMWIEIHDTKNYTIGSC	2460.8	5.32	2	1	13980	78
KESLQAFHPDVNYNYGIGSC	2242.4	5.32	2	1	2980	58.5
KSDTIENATNNGLIHMMGSC	2136.4	5.32	2	1	0	63.5
KWFPTEPTQAMWITQHDGSC	2363.6	5.32	2	1	11000	24.5
KYELAWNSHDVIASSTWGSC	2254.4	5.32	2	1	12490	63.5
LDIGLENQHTLYNGSLKGSC	2162.4	5.32	2	1	1490	97.5
LEYGWGWFHQVSKNAWGSC	2370.5	5.32	2	1	17990	39
LFNYMIHFDQKESVPVGSC	2377.7	5.32	2	1	2980	68
LHFPNSEQNVKVTLMYDGSC	2282.5	5.32	2	1	1490	68
LHNKDIAIVEIQLYGSMGSC	2209.5	5.32	2	1	1490	97.5
LMIKDNGWWATHGVMEPGSC	2232.5	5.32	2	1	11000	58.5
LQQVQPNMNTKHDTWEGGSC	2273.4	5.32	2	1	5500	34
LWLDHQMLFWEQWSRWVGSC	2607.9	5.32	2	1	22000	73
LYMWGEVGRHTYDQFWFGSC	2482.7	5.32	2	1	13980	34
NFMHKFEDSFFSSQPTAGSC	2267.4	5.32	2	1	0	5
NGVNDISPNTFIQKHTEGSC	2161.3	5.32	2	1	0	53.5
NNDEMPMSGALHYNRAWGSC	2253.4	5.32	2	1	6990	29.5
NPPRFPPYFDHNEWPLLGSC	2386.6	5.32	2	1	6990	39
NPSMITDVWLRFWHENSAGSC	2379.6	5.32	2	1	11000	53.5
NQPLKEQLNYDNWNVVHAGSC	2358.5	5.32	2	1	6990	68
NRMIVVIEDQGIHYGSMGSC	2209.5	5.32	2	1	1490	87.5
PQKTREDSSLEHHSVFDGSC	2259.3	5.32	4	2	0	34
QDEWFPSMNHNGFTIAGSC	2269.4	5.32	2	1	5500	24.5
QDVHVTFWSEYMVSRSIGSC	2331.6	5.32	2	1	6990	63
QHVDIEGQKFMFALANIGSC	2208.5	5.32	2	1	0	83
QLHLMELYSWLDNKMSAGSC	2326.6	5.32	2	1	6990	83
QSNILRQYSQYHDNEAPGSC	2310.4	5.32	2	1	2980	44
RDFMVPFLGMGHTSETWGSC	2258.5	5.32	2	1	5500	34
REFYHMDNIWGIIMLIWGSC	2484.9	5.32	2	1	12490	97.5
RLHMGWTMQYAVLPNEDGSC	2308.6	5.32	2	1	6990	58.5
VGPMQLERFQDHLAWVFGSC	2320.6	5.32	2	1	5500	73
VMDIELLMGTLITRHNLGSC	2216.6	5.32	2	1	0	131.5
VWAKYPTPDGVQAHWWGSC	2317.5	5.32	2	1	17990	39
WDSYHFRGFIGENTVILGSC	2301.5	5.32	2	1	6990	73
WFSDQKTLHTWIFEYPPGSC	2442.7	5.32	2	1	12490	39
WKPIHSYAMVIPFYEDFGSC	2390.7	5.32	2	1	8480	58.5
WLFSTEMRSGQDWPAGHSC	2282.4	5.32	2	1	11000	24.5
WNRHTPMWLSLQEDPSQSGSC	2346.5	5.32	2	1	11000	19.5
WTDWHYYFVASMYPKAEGSC	2472.7	5.32	2	1	15470	24.5
WYTYVEYDSPQLHWRQGGSC	2413.6	5.32	2	1	13980	34
YAPEDWPGNHRGPGFTWGSC	2234.3	5.32	2	1	12490	5
YEWAHAWKIIMIAWDIYGSC	2456.8	5.32	2	1	19480	93
YFLPWKQWDHWSAESAIGSC	2411.6	5.32	2	1	17990	49
YGQVQWWVMDMELRGMHAGSC	2413.7	5.32	2	1	12490	48.5
YITEFAADLYSLRPTAHGSC	2215.4	5.32	2	1	2980	73.5
YKDQNMATAPETYLYHYGSC	2355.5	5.32	2	1	5960	29.5
YNWHQMQLQAIVDETVGSC	2350.6	5.32	2	1	6990	73
YWNLYKHDSEAFFQMFNGSC	2487.7	5.32	2	1	8480	24.5
AIGHSPQGIGFDQPTERGSC	2057.2	5.32	2	1	0	44
ALNHTGWSLELTSDFYAGSC	2257.4	5.32	2	1	6990	63.5
ARGHPFMELGFGADQTGGSC	2038.2	5.32	2	1	0	29.5

DPLPWRGFEVVIPGLHYGSC	2242.5	5.32	2	1	6990	87.5
DSWPIAGWNIWEKHLTYGSC	2363.6	5.32	2	1	17990	63.5
DVGFPGEVSSQYVARSHGSC	2082.2	5.32	2	1	1490	48.5
EHRWRGDSPDEVHVVFSGSC	2299.4	5.32	4	2	5500	43.5
EIVQYTKNYSDNLHPNPGSC	2279.4	5.32	2	1	2980	53.5
ESHHRTARELDFPDSNYGSC	2321.4	5.32	4	2	1490	24.5
GRQDINWFHMMPFIVQEGSC	2395.7	5.32	2	1	5500	53.5
GTWRQNNVYHTDPEQWFGSC	2425.5	5.32	2	1	12490	14.5
GYLQERMVHDTNPGMMVGSC	2225.5	5.32	2	1	1490	48.5
HFYAMDPKQTPWQEPQIGSC	2363.6	5.32	2	1	6990	24.5
HKYNGTQEVGYTDFPPWGSC	2286.4	5.32	2	1	8480	14.5
IEIWDFQNGSFGHMKFGGSC	2260.5	5.32	2	1	5500	39
IWMVMAFNFKGDHPLIEGSC	2295.7	5.32	2	1	5500	78
KTAIVMSSEFAMHQYPDGCSC	2202.5	5.32	2	1	1490	44
NGFFAHETPQYQDRPMNGSC	2299.4	5.32	2	1	1490	5
NGSHMFDSELQTLKSPVGSC	2137.3	5.32	2	1	0	53.5
RMPAHAIEGIGIWWDSGSC	2185.5	5.32	2	1	11000	83
VDGHIFSVMTPKETYLPGSC	2181.5	5.32	2	1	1490	68
VEMQRGANDSTQNTIHPGSC	2145.3	5.32	2	1	0	39
VMIQFHTAGLKWEVTWDGSC	2308.6	5.32	2	1	11000	73
VWERPFIDNMTSGAMHSGSC	2225.5	5.32	2	1	5500	39
VWFYEDNQAIAMHNVLRGSC	2353.6	5.32	2	1	6990	78
WIHELWASAWRADYVTFGSC	2398.6	5.32	2	1	17990	68.5
WLKFWIHETIILFDSSAGSC	2353.7	5.32	2	1	11000	102.5
YLFWSDDHLYFAQSKYEMGSC	2475.7	5.32	2	1	9970	44
AGFHEQEQLHYKEPFNGSC	2308.4	5.33	3	1	1490	24.5
EVHLFNWAGQNHTGEKEGSC	2243.3	5.33	3	1	5500	39
HHRQLFSTEEYLYMLNGSC	2457.7	5.33	3	1	2980	58.5
ITSSNEVPMEVMEGHRHGSC	2200.4	5.33	3	1	0	48.5
KHSIEQGEYELIMWGNHGSC	2318.5	5.33	3	1	6990	58.5
PEPDMVAIHQYSIARPTGSC	2172.4	5.33	2	1	1490	63.5
PETQEFIHNVSPKEYTHGSC	2303.4	5.33	3	1	1490	34
PGLWQWDHYPWRSTSEAGSC	2363.5	5.33	2	1	17990	24.5
PHFPGTNAPGAEDYQKPGSC	2073.2	5.33	2	1	1490	10
PQKLYLMAYEHLDIQQLGSC	2400.7	5.33	2	1	4470	83
PSDYGWLHTEVGNMKMGVSC	2211.5	5.33	2	1	6990	48.5
PYFHWPIYKEDYAIVPAGSC	2356.6	5.33	2	1	9970	63.5
RHVSIEGNENYHGQEGVGSC	2172.2	5.33	3	1	1490	48.5
FELEPMHFFWVPREHISGSC	2448.8	5.33	3	1	5500	53.5
FPEERHIPMELQAAHSAGSC	2210.4	5.33	3	1	0	54
PHSSGLTEKVQDTPITMGSC	2088.3	5.33	2	1	0	53.5
PIHENVIDPVQYPSISKGSC	2183.4	5.33	2	1	1490	87.5
PPEYADHNRYSPQLAYYGSC	2331.5	5.33	2	1	5960	29.5
PWWDHNPWEQRTIYVYWGSC	2623.8	5.33	2	1	24980	34
RMFGEQEMTTGHPYEHYGSC	2360.5	5.33	3	1	2980	0
SRRTDEWYKHDHDWNEGSC	2534.6	5.34	5	3	12490	19.5
ESREEQRSHENHSNSEHGSC	2339.3	5.35	5	2	0	0
HRDEQDGGKMKHAHTIEDGSC	2214.3	5.35	5	3	0	24.5
TAKTDVYAHVQWWRDEGGSC	2309.5	5.35	3	2	12490	39
TAVVTDQKPAQKDLHESGSC	2114.3	5.35	3	2	0	58.5
TDTWRLKEHSDYMLGLTGSC	2313.5	5.35	3	2	6990	58.5
EHEPPNDGTHRTKTEFSGSC	2229.3	5.36	4	2	0	0

HKVRS MAYHLVFFEEDEGSC	2384.6	5.36	4	2	1490	53.5
HVKHGRLELIEYAPESDGSC	2240.4	5.36	4	2	1490	78
IKEYWGESQKFETGHHDGSC	2338.4	5.36	4	2	6990	19.5
KHESTSVEVHADEVKPMGSC	2257.4	5.36	4	2	5500	34
MDPQTEMHINIRVSKDSGSC	2248.5	5.36	3	2	0	53.5
MDQDETMIH RPVFYLRMGSC	2429.8	5.36	3	2	1490	53.5
MFDPHKVD A WSILETFRGSC	2339.6	5.36	3	2	5500	58.5
MTRVFFVEIDRMFHDFW GSC	2523.9	5.36	3	2	5500	48.5
MYQDPKLYFHNQREAYDGSC	2465.7	5.36	3	2	4470	24.5
NEVAKDHQMYQNHEEKIGSC	2360.5	5.36	4	2	1490	39
NQRFATDDHYDRQDGKW GSC	2399.5	5.36	4	3	6990	5
SIPHPQKDKAEMATDYAGSC	2149.3	5.36	3	2	1490	34.5
SLDTKMFIKFADEHFLT GSC	2290.6	5.36	3	2	0	63.5
SSDYRPEFYHFRGWGDFGSC	2413.5	5.36	3	2	8480	0
SYIKKVDTYEWHASIDSGSC	2289.5	5.36	3	2	8480	58.5
YRLIHDRDVS DRLTFDPGSC	2365.6	5.36	4	3	1490	73
DKYQAREMHTFEEHNVNGSC	2395.5	5.36	4	2	1490	19.5
IPHYNDREK WEGIHLGEGSC	2340.5	5.36	4	2	6990	58.5
LWHYESEKKPHEDVYMQGSC	2466.7	5.36	4	2	8480	34
MPTRPYPSEIHQDRYDGSC	2339.5	5.36	3	2	2980	19.5
SDHERTIFSLNRMADSLGSC	2239.4	5.36	3	2	0	63.5
SVARHIGEDLSQQIQDRGSC	2199.3	5.36	3	2	0	78
PDHVWTD R WWDIKNWDKGSC	2544.7	5.37	4	3	22000	34
PFARPM DRYDKDTADFHGSC	2329.5	5.37	4	3	1490	10
TVTP IYTHMEQRYWFEVGSC	2447.7	5.37	2	1	8480	48.5
PIQKDQGD DRHKDTGGGGSC	2071.1	5.37	4	3	0	19.5
TLAEWRENIYVQA HMQNGSC	2350.6	5.37	2	1	6990	63.5
TNEQFISASIEKHINVTGSC	2178.4	5.37	2	1	0	78
AEQNIQSSGMHAMRDRDGSC	2193.3	5.38	3	2	0	29.5
DEAYGRKLNDWNLYLHNGSC	2368.5	5.38	3	2	8480	63.5
DGQKDTGKFYYPENWYHGSC	2395.5	5.38	3	2	9970	0
DRQELTYVTM NTHDKGQGSC	2283.4	5.38	3	2	1490	34
DVDTSQNL TNGSRELKHGSC	2161.2	5.38	3	2	0	53.5
DWYEKDMWGPRTSHNIGGSC	2339.5	5.38	3	2	12490	19.5
DYKFHETKPM DANGQVVGSC	2226.4	5.38	3	2	1490	34
DYYSKKDFGLEIHYNYAGSC	2373.5	5.38	3	2	5960	44
EKPHMYSWLRTDGLWYDGSC	2444.7	5.38	3	2	13980	39
EWGMYP SDHVANKRMDPGSC	2280.5	5.38	3	2	6990	19.5
EYHAFDKFTKFTTDTWNGSC	2398.5	5.38	3	2	6990	5
FKLDIFMDEYVFSFHGRGSC	2398.7	5.38	3	2	1490	53.5
FMTLKWLKNDTAHFEYDGSC	2406.7	5.38	3	2	6990	44
GFWADDHRSFVRSEPWTGSC	2340.5	5.38	3	2	11000	19.5
GGGDQRDFEQLLAGHVRGSC	2102.2	5.38	3	2	0	58.5
GKYEDWMGMHGLGFDRIGSC	2259.5	5.38	3	2	6990	39
GLWMHGNEKIQQDFKDVGSC	2292.5	5.38	3	2	5500	53.5
IAFHMSGERGDFPKDAYGSC	2188.4	5.38	3	2	1490	29.5
IHENNMYVKDQMMIADKGSC	2327.6	5.38	3	2	1490	58.5
IMEKNKDAYFN YHVYDTGSC	2398.6	5.38	3	2	4470	39
IQQHDTVIRMQAEPDRMGSC	2315.6	5.38	3	2	0	58.5
IRSHVDVSQEKDSNPTGGSC	2116.2	5.38	3	2	0	48.5
IYPFMKHTDIDQREAYNGSC	2388.6	5.38	3	2	2980	44
KGIHSIRDYN ESTNSDTGSC	2184.2	5.38	3	2	1490	39

KHYDRWTESSNNVIWAGSC	2368.5	5.38	3	2	12490	39
KIDYSDHQPLRTEQANTGSC	2263.4	5.38	3	2	1490	44
KSMSRVYFDNFLFHDLEGSC	2395.6	5.38	3	2	1490	53.5
LDMASSIDKRIVAYHNEGSC	2209.4	5.38	3	2	1490	83
MELTAWHMWKTQTFEQVGSC	2413.7	5.38	2	1	11000	39
MIGNMQTVLHLIEEWSRGSC	2304.6	5.38	2	1	5500	92.5
MLRMNTEFESGMIYGHIGSC	2276.6	5.38	2	1	1490	58.5
MSERHFSFNAVVMGYAEGSC	2222.4	5.38	2	1	1490	39
NEPMAMQDMMHRDSQRYGSC	2387.6	5.38	3	2	1490	5
NMSGIRAMARAQFDHDEGSC	2196.4	5.38	3	2	0	34.5
NMYDYKETISHMSDVMRGSC	2367.6	5.38	3	2	2980	34
NNDKWLAWHDKLGWELPGSC	2369.6	5.38	3	2	16500	63.5
QASDIWDNRVHRIEVFTGSC	2333.5	5.38	3	2	5500	73
QDALMKQSENTRVHWDYGSC	2368.5	5.38	3	2	6990	39
QDDNRMIVEYKHHGMMAGSC	2298.6	5.38	3	2	1490	58.5
QDFMKWQDNRHEFGWTQGSC	2500.7	5.38	3	2	11000	0
QFFKHSVDRDLYGTEINGSC	2316.5	5.38	3	2	1490	53.5
QQTKYGTIHPELDKDILGSC	2246.5	5.38	3	2	1490	78
RQDMRVNYLYNEQDIGHGSC	2398.6	5.38	3	2	2980	53.5
SHSISEMSIENMQYKANGSC	2216.4	5.38	2	1	1490	44
SPYFAEWSQSHEPPYRLGSC	2341.5	5.38	2	1	8480	24.5
SWINHVVYENQEWRIPVNGSC	2431.6	5.38	2	1	12490	68
SYEYSIMFHWEFWNRSWGSC	2615.8	5.38	2	1	19480	19.5
VDMEKNGAMHRSFDWIGGSC	2240.5	5.38	3	2	5500	39
VEKTMIDMSQHDTKMPYGSC	2301.6	5.38	3	2	1490	34
VSPDPFYVDRHQSRNETGSC	2294.4	5.38	3	2	1490	29
VYRHDWKDPSIVIQTETGSC	2334.5	5.38	3	2	6990	68
WEPWHTPRFGLWRDQLDGSC	2486.7	5.38	3	2	16500	39
WGDWHWSSSENMRDAPLRGSC	2390.5	5.38	3	2	16500	24.5
WYDNWKILDHNRLYMQEGSC	2571.8	5.38	3	2	13980	58.5
WYMGSRDFRNFEGDLSHGSC	2364.5	5.38	3	2	6990	19.5
YDTLHRNRQMMDWQFEPGSC	2514.7	5.38	3	2	6990	19.5
YGARMGEYDWDKHAMVAGSC	2247.5	5.38	3	2	8480	29.5
YNKQRENSSQHDQSSDTGSC	2271.2	5.38	3	2	1490	0
YRRNTTFYDMWDESMYHGSC	2562.7	5.38	3	2	9970	0
YVRDTQFFDISEAKIHMGC	2347.6	5.38	3	2	1490	58.5
ARPGDPDILTQTEKHPLGSC	2135.3	5.38	3	2	0	63.5
DETRPHFTLGPQVKFDAGSC	2205.4	5.38	3	2	0	39
EKVWVYDMGNFQDKLYHGSC	2419.7	5.38	3	2	8480	48.5
KFGSHYRAEQFTYDTDMGSC	2343.5	5.38	3	2	2980	5
LDMNENDYSSMKSAKHGSC	2231.4	5.38	3	2	1490	24.5
LIDHKESTYTDWTATSRGSC	2271.4	5.38	3	2	6990	44
MFGEAFYATQYKNLYEHGSC	2359.6	5.38	2	1	4470	29.5
NYEDHALQIISRGFMDKGSC	2284.5	5.38	3	2	1490	63.5
QMNKRFILDEHPMDYFGGSC	2388.7	5.38	3	2	1490	39
RAWDYIRQMFLDAWHWGSC	2570.8	5.38	3	2	17990	49
WAGDLMWELSNHKKDQYGSC	2368.6	5.38	3	2	12490	44
WRDAPNRSHEFPDIYAGGSC	2278.4	5.38	3	2	6990	29.5
YNPHLEGMDSDPLRWTKGSC	2306.5	5.38	3	2	6990	39
PSTNRRPHLNDEFDAVPGSC	2212.3	5.39	3	2	0	39
WDEALQVSEHARDKHERGSC	2353.5	5.39	5	3	5500	44
AEQQGRILNHPYTWGEYGSC	2309.5	5.4	2	1	8480	44

AFEALMVVTHQEMTKAWGSC	2239.6	5.4	2	1	5500	63.5
AGLREHITWYAVGTAEQGSC	2149.3	5.4	2	1	6990	68.5
AGYNGYWEAAEHVPPKAGSC	2107.2	5.4	2	1	8480	34.5
AHFLINTWPLGPEFELKGSC	2259.6	5.4	2	1	5500	83
ANEEMRLASYFFWMMHMGSC	2441.8	5.4	2	1	6990	29.5
APVPVPHNWAЕКFEQVNGSC	2209.4	5.4	2	1	5500	53.5
AWNGQTIEREHMLGWPVGSC	2271.5	5.4	2	1	11000	58.5
AWVTIELRAHGyAEWfYGSC	2359.6	5.4	2	1	13980	68.5
EAALYWHEQIFKVPNQVGSC	2319.6	5.4	2	1	6990	78
EEASYFHVPPFLLKLFSGSC	2271.6	5.4	2	1	1490	78
EFPEHASNLVTVMKVFVGSC	2192.5	5.4	2	1	0	68
EGLNPTFVFSHISRNETGSC	2195.3	5.4	2	1	0	53.5
EHLPAYQIQFRSISGESGSC	2209.4	5.4	2	1	1490	63.5
ELQIHMNNARVMENITPGSC	2257.5	5.4	2	1	0	78
EWNSFAWYEHAKGFLNVGSC	2345.5	5.4	2	1	12490	44
EYYWPNIFEVQVGHSKIGSC	2356.6	5.4	2	1	8480	68
FESIVAHQWGENLGSKWGSC	2235.4	5.4	2	1	11000	58.5
FMGASELTITYHKFISGSC	2221.5	5.4	2	1	1490	63.5
FSRLEVIFFLMIPNHNEGSC	2353.7	5.4	2	1	0	92.5
HLLYMMFWMKQELELAGGSC	2387.8	5.4	2	1	6990	83
HNYITEQNYEIKSMISGSC	2330.6	5.4	2	1	2980	78
HRMVTAWEYGEYSFLPGGSC	2290.5	5.4	2	1	8480	39
ILMAIHEVAARVNEMQPGSC	2169.5	5.4	2	1	0	102.5
IPGNERQGNMESYIWFHGSC	2325.5	5.4	2	1	6990	39
IQHELEMPPPNTATYGRGSC	2201.4	5.4	2	1	1490	44
ISLFEEKQMSYIILGHIGSC	2268.6	5.4	2	1	1490	117
IWKPSPNQNSIEIEHWMGSC	2356.6	5.4	2	1	11000	58.5
LFQAEYFPSHTEWYKTYGSC	2457.7	5.4	2	1	9970	24.5
LIRIWYHMENLSFESFIGSC	2445.8	5.4	2	1	6990	97.5
LITHFLIWFEWPSAREFGSC	2439.8	5.4	2	1	11000	83
LPQKENELTPHMNNQFVGSC	2286.5	5.4	2	1	0	53.5
LPSETGLSAFKNHLELLGSC	2116.4	5.4	2	1	0	102.5
NEQYEKQGIIFWSLLMHGSC	2383.7	5.4	2	1	6990	78
NGSTHPEATWLPPLIEKGSC	2137.3	5.4	2	1	5500	63.5
NWHEGHEREMNEYRLFFGSC	2541.7	5.4	4	2	6990	19.5
QENVSPAARFGHSGPEMGSC	2061.2	5.4	2	1	0	24.5
QGWKGIHEANEWQNGPVGSC	2197.3	5.4	2	1	11000	39
QLELLLPHRQVVPEQWWGSC	2418.8	5.4	2	1	11000	107
VIPKFFAMFNEFEQPHNGSC	2342.6	5.4	2	1	0	39
YANSREIPNHPVEIYAIGSC	2233.4	5.4	2	1	2980	83
YANTMVPNHKETETLVIGSC	2207.5	5.4	2	1	1490	73
YEMQVHLMEYRITILYLGSC	2462.9	5.4	2	1	4470	112
YINSYPIAKPHGEEMQMGSC	2255.5	5.4	2	1	2980	44
YVQEHAQWKNMWELANGGSC	2351.6	5.4	2	1	12490	44
ELYYEWHMPKGPQAFPGSC	2297.5	5.4	2	1	8480	24.5
EPQGFNLTfNKLHGETGSC	2192.4	5.4	2	1	0	58.5
FFQANQPLWSEWERQGHGSC	2407.6	5.4	2	1	11000	24.5
IPEAEAYAPKNLLPWHAGSC	2167.4	5.4	2	1	6990	78.5
LFMHGERLMWIVEAVIWGSC	2377.8	5.4	2	1	11000	112
NEWYIEGHNNRMINTNFGSC	2399.6	5.4	2	1	6990	39
NKPLAEWYMPEVILYHYGSC	2413.7	5.4	2	1	9970	78
NMPFNQEVAEHMANNRLGSC	2262.5	5.4	2	1	0	44

QETHIEANTMNRAVVGMGSC	2148.4	5.4	2	1	0	58.5
QIPALGPFKHEELIGAYGSC	2130.4	5.4	2	1	1490	88
RFFAIVGEGMLNEHIFPGSC	2224.5	5.4	2	1	0	78
VQGEHEWMVQTFWMQTRGSC	2440.7	5.4	2	1	11000	29
VYVLHKEYQVAQETMLQGSC	2326.6	5.4	2	1	2980	87.5
YWFLAVSWWTEAEGHGKGGSC	2314.5	5.4	2	1	17990	44
PEGMSHKMEAQQPYNIWGSC	2293.5	5.41	2	1	6990	24.5
PFPNYPYPMWMMHEREGSC	2485.8	5.41	2	1	8480	19.5
PVHNNYTGLMTGETERWGSC	2252.4	5.41	2	1	6990	34
PWWSKGIQITVEWMIEHGSC	2387.7	5.41	2	1	16500	73
SNQNHKNDQNKEKTDDQGSC	2290.3	5.41	4	3	0	0
SVMLAKDHDDPRAKETGGSC	2117.3	5.41	4	3	0	44
TNASYWHVIRKYDESIEGSC	2358.5	5.41	3	2	8480	58.5
SIAPMDHGETRVEVYTKGSC	2180.4	5.42	3	2	1490	53.5
SIIQALHFEREENNRTDGGSC	2247.4	5.42	3	2	0	63.5
SNHPKPQWGEIVWEKDIGSC	2310.5	5.42	3	2	11000	53.5
SNIWFDKEEHTWLQTQRGSC	2465.6	5.42	3	2	11000	39
SPHVSNNIFRDGEEKLNGSC	2203.3	5.42	3	2	0	53.5
HEEQGENEDRPVRGKHFGSC	2311.4	5.42	5	3	0	14.5
DNDQVIKKHIRENSDGIGSC	2228.4	5.43	4	3	0	73
DSFDHENKTFQPKDGKAGSC	2211.3	5.43	4	3	0	5
EDFVGSKMRRYVGDQDHGSC	2286.4	5.43	4	3	1490	29
EDTKHDDFPVKNMFRAAGSC	2268.5	5.43	4	3	0	24.5
KDKNDSHTPESMRMNADGSC	2223.3	5.43	4	3	0	5
KDWEFLRNDKSYLDLVHGGSC	2425.7	5.43	4	3	6990	73
KPTTVKSEVGRADQDDHGGSC	2130.2	5.43	4	3	0	34
MKVYHLTPFEREFDMGPGSC	2344.7	5.43	3	2	1490	34
MYREIEANDKPYNHLGYGSC	2360.6	5.43	3	2	4470	44
VDDVVKKEYGIYADHRWGSC	2340.6	5.43	4	3	8480	68
VRNREYDFSLADLHNDRGSC	2367.5	5.43	4	3	1490	58.5
WRKLNADLERLSPDHMGSC	2343.6	5.43	4	3	5500	63.5
DHDIGRQILEGRYRDYTGSC	2354.5	5.43	4	3	2980	58.5
MPDRWWEIHEGKWYNFMGSC	2572.9	5.43	3	2	17990	19.5
VFYQKKMDIHEVGFTELGSC	2331.6	5.44	3	2	1490	68
ADRAVMRHYEESMPVGAGSC	2166.4	5.45	3	2	1490	44
DPRENQVIEYIHNRMYGSC	2437.7	5.45	3	2	2980	73
DTKTFTNTIHPEWKETAGSC	2266.4	5.45	3	2	5500	24.5
EAPTTKVHTSYDNRYPEGSC	2255.4	5.45	3	2	2980	19.5
EDLHQNWQFNLKVEIPRGSC	2413.6	5.45	3	2	5500	73
EDSSTQAVEGYWQHRYKGGSC	2331.4	5.45	3	2	8480	19.5
EENDSTYHVQVSSYRKAGSC	2260.3	5.45	3	2	2980	34
EGQQKFDSGEVVKFHAVGSC	2152.3	5.45	3	2	0	48.5
EHYSRYQQKDTSSNNTGSC	2334.3	5.45	3	2	2980	0
EMKNDPMEQFLRLAPHIGSC	2316.6	5.45	3	2	0	63.5
EPPWRVEYDHKSQSNPNGSC	2330.4	5.45	3	2	6990	14.5
ETRMIIKLAWETFDHNGSC	2350.6	5.45	3	2	5500	78
FAEKFDIWREHISTFYWGSC	2522.8	5.45	3	2	12490	44
FEDTMSLETTHPTRVTRGSC	2268.5	5.45	3	2	0	34
FESTEAKTSHNNVNKIDGSC	2181.3	5.45	3	2	0	39
FIDPVEYEKIIQQHMGKGGSC	2322.6	5.45	3	2	1490	73
FIHEQVRNQGTPEFSRGSC	2307.4	5.45	3	2	0	34
FRGRWPTDEFMAWQYHEGSC	2503.7	5.45	3	2	12490	5

GKWLKTHDENIPEWTVMGSC	2331.6	5.45	3	2	11000	53.5
GYESDMNVWWWMGKRTEHGSC	2373.6	5.45	3	2	12490	14.5
HFMMRRVLESATMSWDEGSC	2373.7	5.45	3	2	5500	39
HITKWLDLIFNEYSQREGSC	2439.7	5.45	3	2	6990	78
HLSRQREPVPFEWIDIGSC	2416.7	5.45	3	2	5500	73
HTFMRDESQSKTNFEGVGSC	2260.4	5.45	3	2	0	14.5
HTYPDNIPENGRFNERPGSC	2303.4	5.45	3	2	1490	19.5
HWPSLWSAEEVDARMRAGSC	2288.5	5.45	3	2	11000	49
IAHRLQDEEKLSGVGPYGSC	2159.4	5.45	3	2	1490	78
IDKEWVIEGWQPKPHNSGSC	2310.5	5.45	3	2	11000	53.5
IIKDHEEASSSKIQVAAGSC	2073.3	5.45	3	2	0	88
IIQHFGEDGKPENALKAGSC	2114.3	5.45	3	2	0	68.5
IKGTNHNFDATEKEFMNGSC	2243.4	5.45	3	2	0	24.5
KDWIMPMAMERGGHAGEGSC	2163.4	5.45	3	2	5500	29.5
KIEFQFVTASWSKEDHSGSC	2286.5	5.45	3	2	5500	39
KTTGWDWSSTEEKVVHMGSC	2268.5	5.45	3	2	11000	29
LERFDTRVYHASYSEFVGSC	2366.5	5.45	3	2	2980	53.5
LPDHIPMKWQGRPPEVEGSC	2276.6	5.45	3	2	5500	53.5
LREKLIAWGHLFGSDENGSC	2232.5	5.45	3	2	5500	83
PHFTMMVSVD MNKREAEGSC	2269.6	5.45	3	2	0	34
PWIELQKHRMLEYPMDBGSC	2432.8	5.45	3	2	6990	73
QEHSASQIIEDVNTKFRGSC	2249.4	5.45	3	2	0	58.5
RATISETDHQYNKFGWEGSC	2329.4	5.45	3	2	6990	24.5
RDTYEYVNILWGHGEKSGSC	2314.5	5.45	3	2	8480	53.5
RIIFYIEDKENHINTAGGSC	2280.5	5.45	3	2	1490	83
RKWLESHWFLWWETDVFSGSC	2612.9	5.45	3	2	22000	53.5
RPDTNESAIRGEYYMSHGSC	2273.4	5.45	3	2	2980	24.5
RPRGADEHVPVIEPMLMGSC	2194.5	5.45	3	2	0	73
WHKIYGKSAEDIEPTYSGSC	2271.4	5.45	3	2	8480	44
WHQRDQEMPQQKEVPMSGSC	2401.6	5.45	3	2	5500	14.5
WMRAARHSWDVEEPGPGGSC	2228.4	5.45	3	2	11000	24.5
YRNINESKTHTVQFEIDGSC	2341.5	5.45	3	2	1490	53.5
EHDVVVKKGSPELFFIFGSC	2238.5	5.45	3	2	0	82.5
ENHKWQSQRESSTIIDNGSC	2319.4	5.45	3	2	5500	39
FYERIDESWFKSLHFVVGSC	2449.7	5.45	3	2	6990	68
HIKEDEYNMAMPFVTSRGSC	2315.6	5.45	3	2	1490	39
IDWHKTEAIPPKGENGQGSC	2167.3	5.45	3	2	5500	44
LEFHVKGQE QDYQRLPFGSC	2381.6	5.45	3	2	1490	53.5
NWPHAYRSAGADEGGKEGSC	2092.1	5.45	3	2	6990	15
RIESQFQQKSTWIDEFHGSC	2426.6	5.45	3	2	5500	39
WEEKATKTMGTHVIFDQGSC	2268.5	5.45	3	2	5500	39
WIEVEKTMDSGSGPKGHGSC	2105.3	5.45	3	2	5500	34
WTSKNHDMNSENESSKMGSC	2272.4	5.45	3	2	5500	0
MESEAGRRTMGGHDKNDGSC	2138.2	5.46	4	3	0	5
SVKTHELWWRYDYEDKGGSC	2459.6	5.46	4	3	13980	34
TISKYVMVEPMRQHEEWGSC	2410.7	5.46	3	2	6990	48.5
TKEYWGGQHMSGEQLKEGSC	2255.4	5.46	3	2	6990	19.5
SRDDSEKGIHGLKITAEGSC	2103.2	5.46	4	3	0	63.5
TAHQRPAEVEQGYKNEIGSC	2217.4	5.46	3	2	1490	44
DENHSEKNERNEREQHRGSC	2454.4	5.47	6	4	0	0
DYHTGKYTFERDDKRDGSC	2394.5	5.47	5	4	2980	0
RLALETDPDDHDRIKKLGSC	2282.5	5.47	5	4	0	83

SMVFPIKTEGAHRENETGSC	2193.4	5.47	3	2	0	39
DKERQHPAEVSMYRDGFGSC	2312.5	5.48	4	3	1490	19.5
FDMEAYRQIHKDEKFFFGSC	2498.8	5.48	4	3	1490	24.5
FVLHDWVRTREIEDKWQGSC	2504.8	5.48	4	3	11000	68
KSHDTNEESSNRQDSNKGSC	2223.2	5.48	4	3	0	0
KYEKPHWTQVDTDREYVGSC	2441.6	5.48	4	3	8480	29
MKYPGREIIVHNEELFLGSC	2335.7	5.48	3	2	1490	92.5
NFRYKMARHENEPDVLGSC	2381.6	5.48	4	3	1490	39
VRITHIRDQEDTKWQWEGSC	2487.7	5.48	4	3	11000	53.5
VYEDVREDNKGSHMMKSGSC	2272.5	5.48	4	3	1490	29
VALIVLAIIVALVAIALGSC	1908.4	5.49	0	0	0	234
VALLMAIPFPPAAVVFGGSC	1960.4	5.49	0	0	0	122
VAMGIAVALFAPMFGALGSC	1926.3	5.49	0	0	0	112.5
VAVAVAFAAAIGPGFGGGSC	1721.9	5.49	0	0	0	93
VGIPMPAFAILPMAVMMGSC	2036.6	5.49	0	0	0	102.5
VIGAVVAGGAIALFFVGSC	1864.2	5.49	0	0	0	156
VLAAVVAWLIIIVILLVAGSC	2023.5	5.49	0	0	5500	229
VLAILIIVLIAIVLIIGSC	2062.7	5.49	0	0	0	287.5
VMAVPGVVPFAGLGPVLGSC	1870.3	5.49	0	0	0	121.5
VPFGLLAAIVFAAAPMPGSC	1932.3	5.49	0	0	0	112.5
VPGLVGVMPPGGFGVPMAGSC	1832.2	5.49	0	0	0	82.5
VTGNSSMMMNIPNIYGSC	2132.4	5.49	0	0	1490	68
VVLAWWILLALWALLWIGSC	2326.9	5.49	0	0	22000	200
VYLWPQASPYSSINIVVGSC	2183.5	5.49	0	0	8480	107
EKYEKVIDWFLTDHKLHGSC	2382.7	5.49	4	3	6990	78
ELSKSDQAAFETDFRKHGSC	2256.4	5.49	4	3	0	29.5
AEIKLNYWREVLGHNESGSC	2305.5	5.5	3	2	6990	78
EISNHEKYLINFVSRESGSC	2312.5	5.5	3	2	1490	73
EMMKSQLEGSWHMPAEKGSC	2266.6	5.5	3	2	5500	24.5
EVHRTYGQSEKIVVTEGSC	2221.4	5.5	3	2	1490	77.5
EWHFERLQSEPASQSTGSC	2307.4	5.5	3	2	5500	24.5
FFEERIHRESNVFSQGIGSC	2342.5	5.5	3	2	0	53.5
FHWNMYKNSESLFEKQGGSC	2464.7	5.5	3	2	6990	19.5
FQHIGEERKWWMPTEGQGGSC	2406.6	5.5	3	2	11000	19.5
GVSELRLSKETEGHMQPGSC	2145.3	5.5	3	2	0	53.5
HKPGEEGEGYWALPWNKGSC	2245.4	5.5	3	2	12490	24.5
IEEAIGPHRQSVQAEMRGSC	2198.4	5.5	3	2	0	63.5
IEWLNKTFEHTLVKSEGGSC	2278.5	5.5	3	2	5500	73
KYIGEHPVFESTEYRQGGSC	2287.4	5.5	3	2	2980	34
LKFKEAEQIVPYEHQVPGSC	2302.6	5.5	3	2	1490	73
LTPEKSWEEWTRIHNNWFGSC	2506.7	5.5	3	2	16500	39
NWLEWHFERTEPTVQKGGSC	2404.6	5.5	3	2	11000	34
QPKEHESFYGRIPEPTFGSC	2309.5	5.5	3	2	1490	19.5
RYSYEEPQEHTMMGKTGSC	2335.5	5.5	3	2	2980	0
TKDWIAYTYQQVPPAMLGSC	2272.6	5.5	1	1	8480	63.5
WGERTTEAPESRFFFHYGSC	2407.6	5.5	3	2	6990	5
AAYWHSREVENREFNWSGSC	2428.5	5.5	3	2	12490	24.5
FWSLELSAEHRVFVEKGGSC	2281.5	5.5	3	2	5500	73
HEFMWEMAQYIFMRTEKGSC	2524.9	5.5	3	2	6990	24.5
HIEYTKAREPTENNILVGSC	2274.5	5.5	3	2	1490	78
QMEGIHFYGEAWWRKIEGSC	2427.7	5.5	3	2	12490	44
TFPFVWPQINGIFWKIDGSC	2355.7	5.5	1	1	11000	73

TTISGNYNQFVKDWFGWGSC	2310.5	5.5	1	1	12490	34
WKEYFPPYAEEYIHRVQGSC	2502.7	5.5	3	2	9970	39
HTHEKHEDDHNSDSQHQGSC	2328.2	5.51	5	1	0	0
FIIVAILVLA AVAVFVVGSC	2004.5	5.52	0	0	0	204.5
FILAAWALIIIVIFVFGSC	2209.8	5.52	0	0	5500	200
FMLFIPAVAMAIGAMAGGSC	1958.4	5.52	0	0	0	98
FNGWYLWMFQLMPGGGQGSC	2279.6	5.52	0	0	12490	39
FNNYVPPAQNPFLASQVGSC	2153.4	5.52	0	0	1490	58.5
FQLYPVQASAALPGTLIGSC	2036.3	5.52	0	0	1490	107.5
FSPGYSTMYFWTWVSQGGSC	2291.5	5.52	0	0	13980	14.5
FVPM AAPGIPGGLAAGAGSC	1744	5.52	0	0	0	78.5
GAALMIIMIPIGAPAVLGSC	1898.4	5.52	0	0	0	151.5
GAIGGGPIFGGFLGAMGSC	1782.1	5.52	0	0	0	88
GAVVGALLPVVAPMGVVGSC	1810.2	5.52	0	0	0	146
GDDHMDFRFRWRPEESKGSC	2455.6	5.52	5	4	5500	0
GFLIPMPMFLAAMMMLIGSC	2174.8	5.52	0	0	0	107.5
GGIPIMAGAMPAPGPVGGSC	1740	5.52	0	0	0	68.5
GIAGAVMIGLVGGGAFFGSC	1784.1	5.52	0	0	0	102.5
GILMLFFIGILGVFGALGSC	2028.5	5.52	0	0	0	156
GLSQNQPM TSNAGGF PNGSC	1967.1	5.52	0	0	0	24.5
GMWMMFNMYT TVSWGFFGSC	2445.8	5.52	0	0	13980	14.5
GNGVGGSM MFQVYQNIPGSC	2046.3	5.52	0	0	1490	48.5
GNSTVQIYANSWQVTFTGSC	2163.3	5.52	0	0	6990	53.5
GPAMMFAIAGMMFMPFLGSC	2110.6	5.52	0	0	0	54
GPFVFAVMIVLGFFVGGGSC	2004.4	5.52	0	0	0	102
GPMVLMAAVLGALFGMVGSC	1924.4	5.52	0	0	0	117
GPMVMGGFMVAMGMIAMGSC	1978.5	5.52	0	0	0	58.5
GVMLLALIVMMMFFIGPGSC	2130.7	5.52	0	0	0	131.5
GVPLA VIPGVGAGALFGGSC	1742	5.52	0	0	0	117
GWGMPAPGQWITVMFMPGSC	2153.5	5.52	0	0	11000	39
GWLSFMFYMW PINAYSSGSC	2347.7	5.52	0	0	13980	44
IAGIFIPMGFLMVAILFGSC	2100.6	5.52	0	0	0	141.5
IALILAIWVILALLILLGSC	2121.7	5.52	0	0	5500	263.5
IILLIIVAGFVFMAMGGSC	2054.6	5.52	0	0	0	170.5
ILAFIGPAGMPIGPLPGGSC	1868.2	5.52	0	0	0	107.5
ILAVYTVLATMQWAILMGSC	2184.7	5.52	0	0	6990	141.5
ILLAIIWIVALIAIALGSC	2079.7	5.52	0	0	5500	249
IPGMIAVGMVILAAPIGGSC	1870.3	5.52	0	0	0	141.5
IVGGAGMAGAPFALGGVGSC	1691.9	5.52	0	0	0	88
IVMGFVLFLFIVAIMVAGSC	2130.7	5.52	0	0	0	165.5
IYTNAYPPFLMPWILQIGSC	2327.7	5.52	0	0	8480	102.5
LFAVLIIFGAGAMMPGIGSC	1968.4	5.52	0	0	0	127
LFFPFIGVFAFPVLGFAGSC	2136.5	5.52	0	0	0	97.5
LFLAFIPLAGIGPPFVAGSC	1990.4	5.52	0	0	0	127
LGIAMMVGAFALVMPFPGSC	2012.5	5.52	0	0	0	102.5
LIGIIPAPIGAVPPGGSC	1842.2	5.52	0	0	0	141.5
LILALFIIVWVVLWLWGSC	2358	5.52	0	0	16500	224
LILLAAIAIVA AVLIAWGSC	1981.5	5.52	0	0	5500	215
LILWAIALVIVVA AFLGSC	2071.6	5.52	0	0	5500	214.5
LSQQISPMTFSWIGGWPGSC	2182.5	5.52	0	0	11000	58.5
LVA AIWIIWAILIFLILGSC	2228.8	5.52	0	0	11000	224.5
LVMLIAVPGGVGMVFGGGSC	1864.3	5.52	0	0	0	121.5

NFLVPMVFMPIVQNYLIGSC	2285.8	5.52	0	0	1490	121.5
NNMPWMNQTMVTQPWIGSC	2366.7	5.52	0	0	11000	34
NTSAYGSITFIYNYVVGSC	2222.4	5.52	0	0	5960	73
NVMGTVYMSSQQTAAAYFGSC	2145.4	5.52	0	0	2980	39
WGGMNFASYFQLNTYIWGSC	2345.6	5.52	0	0	13980	44
WLIWAAIAVVAFLVIVFGSC	2178.7	5.52	0	0	11000	175.5
WNSSTTFPPPLMNATNYGSC	2188.4	5.52	0	0	6990	24.5
YMGYTVNSATVNYGNNGSC	2057.2	5.52	0	0	4470	48.5
YNIYTPQNATTSIWYAFGSC	2300.5	5.52	0	0	9970	49
YNYWFSQPGTGWVWNYILGSC	2442.6	5.52	0	0	20970	39
GGSGPNPYGYNLVQIPTGSC	1981.1	5.52	0	0	2980	53.5
NQSVYAANMWLMWVSQIGSC	2288.6	5.52	0	0	12490	78
QIWISYLVWNMSWIIIGSC	2425.9	5.52	0	0	17990	151
YANLIGFSGPASWFNGGGSC	2005.1	5.52	0	0	6990	49
EPEMRMEFAPRNKFHMDGSC	2412.7	5.53	4	3	0	5
FRAHLDFKQERTETMEWGSC	2471.7	5.53	4	3	5500	24.5
FRKLGQAEYMFDEFHRGSC	2450.7	5.53	4	3	1490	24.5
HNFDLLEARKKNWWEAGSC	2433.6	5.53	4	3	11000	49
QWHVMKSMDKVEEELRGSC	2478.8	5.53	4	3	11000	48.5
EEMDYFPMRHQANRPREGSC	2453.7	5.53	4	3	1490	5
TKVREEEGVSHQYTMEKGSC	2298.5	5.54	4	3	1490	29
SDILNYPLWKMGWTWSSGSC	2202.4	5.55	1	1	12490	58.5
SITDQIYGKVVNIPLWNGSC	2294.6	5.55	1	1	12490	92.5
SLSVAFNYRYNNDTQGVGSC	2195.3	5.55	1	1	2980	53.5
SMYIGFTSAKDGLIWIWIGSC	2162.5	5.55	1	1	6990	102.5
SQMLGFDTQLNYSVASGSC	2164.3	5.55	1	1	1490	58.5
SSIFWSMGNADYYVLARGSC	2227.4	5.55	1	1	8480	63.5
SSMWGDYTTGGAWKWNGGSC	2151.3	5.55	1	1	17990	5
SSVTGWVPDWSWLFQKGSC	2271.5	5.55	1	1	16500	48.5
STPLFQFKDPGAIFFNMGSC	2207.5	5.55	1	1	0	44
SPTNDPTMAQNTQTNPRGSC	2120.2	5.55	1	1	0	5
AAVIGLLVMGIFAAIGIGSC	1876.3	5.56	0	0	0	166
AFAPFGFAFVVVAPAMGGSC	1946.3	5.56	0	0	0	68.5
AGVGLGAVAMGILGLLMGSC	1790.2	5.56	0	0	0	141.5
AGVIMVMLFIGPAMGMLGSC	1998.5	5.56	0	0	0	117
AIAIAGVAIPAIGVGAGSC	1682	5.56	0	0	0	142
ALAGIGAAMAAMVPPVPGSC	1784.1	5.56	0	0	0	98
AMMPTLTMWWMIPWLMGSC	2400	5.56	0	0	16500	83
APVLPGVILLMGPMFFGGSC	2006.5	5.56	0	0	0	112
ASMQPNVYISMNYMWFGGSC	2286.6	5.56	0	0	8480	39
ASVTIGPWNQWNTGGWPGSC	2118.3	5.56	0	0	16500	39
AVILSVWASVMTFGGIIGSC	2011.4	5.56	0	0	5500	131.5
AVLLLAGPAMGLLAAMIGSC	1872.3	5.56	0	0	0	156.5
RRHDYFEEKELIFTVDKGSC	2472.7	5.56	5	4	1490	53.5
ANMYGGSFLATWLVSIMGSC	2108.4	5.56	0	0	6990	83
DHAPILHNYVHEDPPPHGSC	2235.4	5.57	3	0	1490	58.5
HEENVYEKPFPIKRNSEGSC	2413.6	5.57	4	3	1490	34
SKRKKETEETEDTNHNGSC	2356.4	5.57	5	4	1490	0
IMEEHREELRSFFGKISGSC	2355.6	5.57	4	3	0	58.5
KEQQKHKQSDQEDKEDKGSC	2375.5	5.58	6	5	0	0
MDPRIPYQNLASQFGFYGSC	2294.5	5.58	1	1	2980	44
MAIQGMNIYTWFTDRIMGSC	2338.7	5.59	1	1	6990	63.5

MGWSAAWLRWPDFIFSPGSC	2314.6	5.59	1	1	16500	49
MRYQMNIIDLWQLMLQAGSC	2402.8	5.59	1	1	6990	83
MAGDSVSYWSVAPGFQRGSC	2105.3	5.59	1	1	6990	39
MRVSTINDQLNPPMIQYGSC	2267.6	5.59	1	1	1490	73
QFYHENFDHNHESELKHGSC	2458.5	5.62	4	1	1490	19.5
TGILKPKDDPMLWSWVMGSC	2264.7	5.62	2	2	11000	73
TKKQFDQGSMTSAGTVDGSC	2048.2	5.62	2	2	0	19.5
TLMFFVLDTFARLDRGMGSC	2280.7	5.62	2	2	0	78
TMFRGLRPLPTDYPDNGSC	2237.5	5.62	2	2	1490	39
TMKFDNIINKVTDSQFNGSC	2262.5	5.62	2	2	0	53.5
TMPKDQDVKFNFQFYMNLGSC	2366.7	5.62	2	2	1490	34
TAGSDNIMDLVFKNKTWGSC	2187.4	5.62	2	2	5500	58.5
TGRISQAAINVMDAKDQGSC	2065.3	5.62	2	2	0	68.5
TLRDGMYDSGLLGKLVNGSC	2099.4	5.62	2	2	1490	92.5
TGYTMATTQFTKGEALSGSC	2054.2	5.66	1	1	1490	29.5
TLEWTSPTVINVTKLVGSC	2176.5	5.66	1	1	5500	102
TLTKMQMNLETGVFFWQGSC	2321.7	5.66	1	1	5500	53.5
TMMWWQYTEAVWNRGLAGSC	2390.7	5.66	1	1	17990	44
TMPLNIEQTTYRYGWQSGSC	2335.5	5.66	1	1	8480	39
TSAVFQGYGQLIEGRQVGSC	2100.3	5.66	1	1	1490	73
TSEFQWGMVLTRMAALSGSC	2175.5	5.66	1	1	5500	63.5
TTKLWVQLVNGGQSEYYGSC	2233.4	5.66	1	1	8480	68
TVLKAGEGTPWPSVVGSGSC	1946.2	5.66	1	1	5500	68
SIYDLRVDFIANKMGTGSC	2237.5	5.68	2	2	1490	78
STKWPSQLIDVSWPDPRGSC	2259.5	5.68	2	2	11000	53.5
SYNTKKFSDLMADQGVQGSC	2179.4	5.68	2	2	1490	39
ANPLVPPFIGHHYPADDHGSC	2147.3	5.7	2	0	1490	63.5
DQASPTVHIMDHNHGTMGSC	2138.3	5.7	2	0	0	39
DYTVIDAHMVNHYWHMGGSC	2336.6	5.7	2	0	8480	53.5
FTDVPIDIWNAHVTPHHGSC	2246.4	5.7	2	0	5500	73
GLHQTININLMAHHDDMGSC	2207.4	5.7	2	0	0	83
HGAIHLYDHSPMYDVWTGSC	2289.5	5.7	2	0	8480	58.5
HHYNYWPDQIGNLNDHQGSC	2398.5	5.7	2	0	8480	39
IPHLINHLDNFAWLSDHGSC	2289.5	5.7	2	0	5500	102.5
LMGWFHYPWTHHFMMDDGSC	2498.8	5.7	2	0	12490	19.5
LWWFSFHTDHWTHDLTGSC	2523.7	5.7	2	0	16500	39
SFQWVHHDYSEFVHIYGSC	2504.7	5.7	2	0	9970	48.5
SVWVHFPLNMEHLGDWHGSC	2351.6	5.7	2	0	11000	68
YSDAHVFSWVADTHQMGSC	2278.4	5.7	2	0	6990	39
HLYPDTWWYIDHNHMMMGSC	2537.8	5.7	2	0	13980	39
MDPTHHWDRGMDFPVHLGSC	2338.6	5.7	3	1	5500	34
SWDHWGHSWYWEWHQMGSC	2668.8	5.7	2	0	30480	0
DVDHFFKDQGHGNNHYVGSC	2276.3	5.71	3	1	1490	29
IRDTQDLHSHNPHWGDAGSC	2246.3	5.71	3	1	5500	44
KTNHTDFPGPDALHLDHGSC	2162.3	5.71	3	1	0	44
MKWMIASRYWAINDDVSGSC	2333.6	5.71	2	2	12490	63.5
MLDKKTYDWWAGFQQNVGSC	2377.6	5.71	2	2	12490	39
QFTWHIGQPDHHQRLDDGSC	2377.5	5.71	3	1	5500	39
SEHVPDHDHSYPRLYSVGSC	2285.4	5.71	3	1	2980	48.5
TDINKTGHHEDKADHFGSC	2169.2	5.71	4	2	0	24.5
TDIRLKSQWVRDSAMDGSC	2315.6	5.71	3	3	5500	58.5
IWQHWQHNPWDYYKHDDGSC	2615.7	5.71	3	1	19480	19.5

MFDSFRPMQLTAKDWVLGSC	2332.7	5.71	2	2	5500	58.5
MLDLLKIAGGFDKLAQQGSC	2108.5	5.71	2	2	0	107.5
AEPMFLPHINHHFWMIGSC	2382.7	5.72	2	0	5500	63.5
HLQDGHYNYHAGMFWIEGSC	2365.5	5.72	2	0	8480	44
HLTNYHMMWHEIWDPLIFGSC	2499.8	5.72	2	0	12490	78
HMSEQHPYPNYHQDSQYGSC	2408.5	5.72	2	0	4470	0
ILFQAHLQWNEQNHHDFGSC	2424.6	5.72	2	0	5500	63.5
PMHDVIYDVPMSHDMRHGSC	2327.6	5.72	3	1	1490	48.5
SEKMQSNLFIVFVSLTYGSC	2253.6	5.72	1	1	1490	87.5
SNEYLLVIKQYWMIVTPGSC	2344.7	5.72	1	1	8480	107
SSLTYIVLIEPVARNSSGSC	2096.3	5.72	1	1	1490	112
LMPNAHVMEHTQGHLMDGSC	2208.5	5.72	2	0	0	58.5
SLEIKWYSPGTPWGVGLGSC	2137.4	5.72	1	1	12490	73
SMPFTLQEYWPAWTWAKGSC	2389.7	5.72	1	1	17990	29.5
DGPNNHIQDASAEHPKHGSC	2114.1	5.73	3	1	0	29.5
DLDHNRIEQHPQYSFHIGSC	2396.5	5.73	3	1	1490	58.5
FWETRHDITINVLDDHGGSC	2337.5	5.73	3	1	5500	73
HEHNDGYGMYWFHFLDKGSC	2443.6	5.73	3	1	8480	19.5
HKAFEHDATLHVVAADGSC	2194.4	5.73	3	1	5500	68.5
HLTIPEFPMANGQAHHEGSC	2176.4	5.73	2	0	0	49
HWPPEHHEHFNWISLQGGSC	2433.6	5.73	2	0	11000	39
LHPRLSTSWQDDHSEHWGSC	2378.5	5.73	3	1	11000	39
NHLDPDDHPGRHWKMLGSC	2330.5	5.73	4	2	5500	39
PDFVLLYHWFVVLHEHMGSC	2429.8	5.73	2	0	6990	102
PQYEGTAHTDVHIIHYWGSC	2314.5	5.73	2	0	8480	58.5
QHKNEHLYWIIIVMDDHGSC	2438.7	5.73	3	1	6990	92.5
TAYYDSVRLWSTEYSRPGSC	2341.5	5.73	2	2	9970	39
TFRITITWSYAFESDKGSC	2313.5	5.73	2	2	6990	44
TINWKEYRADQIIMNIMGSC	2386.7	5.73	2	2	6990	83
TKVIVKWVNEFAMMVDPGSC	2254.7	5.73	2	2	5500	82.5
TLDSKGSATERATPQIWNGSC	2121.3	5.73	2	2	5500	49
TQNWKKINDEVTLAFFYGSC	2364.6	5.73	2	2	6990	58.5
TTVSFYRFQNRSTDLNGSC	2325.4	5.73	2	2	1490	34
TVELTTVGVKTSKVTGSC	2024.3	5.73	2	2	0	92
TWVEGFPMFRFRNAGIGSC	2290.6	5.73	2	2	5500	39
YFINHGIHAEPQHQWEAGSC	2324.5	5.73	2	0	6990	49
ELHSNHLPLQFLDDRSHPGSC	2289.4	5.73	3	1	0	58.5
RSNHMDWDDLRLHPLLDHGSC	2404.6	5.73	4	2	5500	58.5
TAKPIESATWSKVDGWIGSC	2136.4	5.73	2	2	11000	63.5
FWRQLHEKPDADHTDAHGSC	2350.5	5.74	4	2	5500	29.5
PLEGIHMLTHEMMTHYFGSC	2334.7	5.74	2	0	1490	58.5
PLHHFAMQPIMHYEGEYGSC	2347.6	5.74	2	0	2980	44
VHQSHSTDNHEIKSMSEGSC	2213.3	5.74	3	1	0	34
VIDEETHYWGVRNHGHFGSC	2343.5	5.74	3	1	6990	48.5
VRHALDYNFEHEIPWHLGSC	2423.6	5.74	3	1	6990	78
VSLEHPEGHWTDKHYTGSC	2254.4	5.74	3	1	6990	39
VSWQRHTYDEENHMMIHGSC	2460.7	5.74	3	1	6990	34
DRHHAFPIHAQFSEELQGSC	2309.5	5.75	3	1	0	49
ESISEWNVKHPDHPHLAGSC	2243.4	5.75	3	1	5500	58.5
FHGHNRVGVWYHTEEDIVGSC	2343.5	5.75	3	1	6990	48.5
IHYEDEHPLYKWHPAIMGSC	2426.7	5.75	3	1	8480	63.5
KGSHPLDAEHYFESVHWGSC	2286.4	5.75	3	1	6990	39

MFIEIGRGGGGVMSNLMGSC	2016.3	5.75	1	1	0	73
MFVQEGIRPPQSNQFSQGSC	2169.4	5.75	1	1	0	34
MLMENPSWGARTTLIVWGSC	2252.6	5.75	1	1	11000	78
MMFSGRWYNMSPMSGVEGSC	2257.6	5.75	1	1	6990	14.5
MPTIGKGFWLFNPEAVFGSC	2201.5	5.75	1	1	5500	58.5
MQRATAQMQQYESMWQPGSC	2361.6	5.75	1	1	6990	10
NHTEYQPHGGQHDEMKGSC	2283.3	5.75	3	1	1490	0
TKHSRFLLEEHLTWFEHEGSC	2473.7	5.75	4	2	5500	39
EDHWVNMHYTGIWEQKHGSC	2457.6	5.75	3	1	12490	34
MNPYQFYTGKVLVEVSPGSC	2283.6	5.75	1	1	4470	48.5
MNQNYKTAGPGSALESGSC	2043.2	5.75	1	1	1490	29.5
MQETFWRPIYMGMLVTWGSC	2436.9	5.75	1	1	12490	53.5
MRPPWPEIMQIAMAIAGSC	2215.7	5.75	1	1	5500	93
EGAPEGITYEHQHPRGSC	2218.3	5.76	3	1	1490	44
HSVLSHQEETVKSLEHNGSC	2221.3	5.76	3	1	0	68
KWYVWAAKHHEHADDEGGSC	2326.4	5.76	4	2	12490	29.5
SDVWKQDNMWDSKLRAVGSC	2325.6	5.76	3	3	11000	53.5
EHAMSKGDHKKEDDRIIGSC	2265.4	5.77	5	3	0	44
HEFQYNKEEDHYWPFHRGSC	2609.7	5.77	4	2	8480	0
PFANHPPHVIRTNEEEHGSC	2271.4	5.77	3	1	0	39
QHEHAPEDFRHLKTEIWGSC	2420.6	5.77	4	2	5500	44
RKHSHERDDDYHKEQDYGSC	2505.5	5.77	6	4	2980	0
DHREKEEDHNYHWGRTNGSC	2470.5	5.78	5	3	6990	0
MSGKDPRWFYDWDVKPPGSC	2371.6	5.79	3	3	12490	14.5
SFPLENQSRARTYMDPYGSC	2322.5	5.79	2	2	2980	24.5
SGPDYNLPRRWEQGQQYGSC	2341.5	5.79	2	2	8480	19.5
SMYFSGKDMWSRLTEVNGSC	2298.5	5.79	2	2	6990	34
SNLSQTDEPMFRQIAYKGSC	2275.5	5.79	2	2	1490	44
SQNGMTAWYFEMDPVKKGSC	2279.5	5.79	2	2	6990	19.5
SRFPVQPEIIWTPRGDMGSC	2276.6	5.79	2	2	5500	53.5
SVKDAPYIMQGYEKLANGSC	2174.4	5.79	2	2	2980	63.5
TDWNSRMRPLDWPVEGKGSC	2334.6	5.79	3	3	11000	34
TQDNMQRWERRPYLMDSGSC	2473.7	5.79	3	3	6990	19.5
TQQEMRPRKGLTQLDMGSC	2294.6	5.79	3	3	0	39
SFPVWPNPYGKEYWKQDGSC	2388.6	5.79	2	2	13980	14.5
SMIGDGYERMTQTSQMKGSC	2210.4	5.79	2	2	1490	19.5
THHEDHTWQQHFDYPHAGSC	2433.5	5.8	3	0	6990	5
VFADGYMVVFRVNSWQGSC	2264.6	5.8	1	1	6990	77.5
VFNWVGGAKPWWWDWVGSC	2379.7	5.8	1	1	27500	63
VKGGTQIPDMQSVFYQSC	2208.4	5.8	1	1	2980	48.5
VPTPNDQGKQWVNSVNAGSC	2101.2	5.8	1	1	5500	48.5
VQVMSAYSATDRPYTVQGSC	2163.4	5.8	1	1	2980	53.5
VFMLAQKAPDSQVAYMSGSC	2133.4	5.8	1	1	1490	63.5
VIALGATKGVVSLSDMWGSC	1994.3	5.8	1	1	5500	112
VNDIGLYWAAAYRPNYPGSC	2290.6	5.8	1	1	9970	63.5
VSATMPMQFWDGSRVLVQGSC	2200.5	5.8	1	1	5500	53.5
TEIAEGYSFKNTTRGSTGSC	2109.2	5.81	2	2	1490	24.5
TELGFFQNWNRVWEASGSC	2387.6	5.81	2	2	11000	39
TEWEQWRTRIGQNAFNGGSC	2340.5	5.81	2	2	11000	24.5
TQILAFAKSREPWEWGQGSC	2294.5	5.81	2	2	11000	49
TTRGTLLEVTASKTEAAGSC	1996.2	5.81	2	2	0	68.5
TSIKEGPNRWGNYGIPEGSC	2165.3	5.81	2	2	6990	39

MFMRSPMIFGRFTVDEGSC	2310.7	5.82	2	2	0	48.5
MQYPKDMEGKWWPQGYNGSC	2405.7	5.82	2	2	13980	0
MSGERRWMYMYNDMLYGSC	2480.8	5.82	2	2	9970	19.5
MPGKKSEQGGWTFDYIGSC	2148.3	5.82	2	2	6990	19.5
DGYSILLKAYLAYTYLSGSC	2201.5	5.83	1	1	5960	107.5
DKGFVAGLIVFVFWWSGSC	2217.6	5.83	1	1	11000	102
DMPFNNNYLVQTGIVKMGSC	2231.5	5.83	1	1	1490	68
DNPQYKLSFWMWVNLYPGSC	2448.8	5.83	1	1	13980	53.5
FAPWQYNNFQLKPDSTGTGSC	2260.4	5.83	1	1	6990	24.5
FDWNWTAMTWILMSRGGSC	2375.7	5.83	1	1	16500	63.5
FKLINYNNGMNIWFDGSC	2356.6	5.83	1	1	8480	58.5
FLTYARAYDNLVNTPAWGSC	2262.5	5.83	1	1	8480	68.5
FNRNDNTTAFWTVVITGGSC	2203.4	5.83	1	1	5500	53.5
FPAGSFNAMMPVFRWLDGSC	2233.6	5.83	1	1	5500	44
FRPYLIIYIALDTTWLGSC	2358.8	5.83	1	1	8480	141.5
FSLWTDVMSLIKVTGFYGGSC	2254.6	5.83	1	1	6990	87.5
FVNDKVVSLAGTNTGQMGSC	2028.2	5.83	1	1	0	68
FYIFLSKDIGVISILGGSC	2145.5	5.83	1	1	1490	151
GAFWYTYFDNGRPFMLVGSC	2331.6	5.83	1	1	8480	39
GAQIDQMAKPYILLPYMGSC	2199.6	5.83	1	1	2980	88
GFFIRQALMNQLTADQAGSC	2171.4	5.83	1	1	0	73.5
GITATFLRQMSDQTNWAGSC	2187.4	5.83	1	1	5500	49
GIYFPKLPWDGQVQWAFGSC	2299.6	5.83	1	1	12490	58.5
GNGQLMPQKQDTIIVTGGSC	2006.2	5.83	1	1	0	73
GRDQYNSPSTYMTVMMNGSC	2242.5	5.83	1	1	2980	14.5
GSATYVQAQLYTDPRGQGSC	2102.2	5.83	1	1	2980	44
GTQPMVAWKDVYGVVYGGSC	2173.5	5.83	1	1	8480	82.5
GVFPLDRMTNFSNIQPQGGSC	2211.5	5.83	1	1	0	53.5
IAPFQDAWMGINKQWWVGSC	2337.7	5.83	1	1	16500	63.5
IGLITADRWYTTWSGFGSC	2247.5	5.83	1	1	12490	83
IKPFPISLGSSLMDSSLGSC	2039.3	5.83	1	1	0	97.5
ILDARNGPTLYAFSYYLGSC	2224.5	5.83	1	1	4470	88
ILKQNLPSVSDTFVPVPGGSC	2071.4	5.83	1	1	0	102
ILPNIYARIYWVPDIMSGSC	2311.7	5.83	1	1	8480	117
IPQQRDIGWVFPNANGSC	2198.4	5.83	1	1	5500	73
IPRGWSTIGDMTNINVGSC	2135.4	5.83	1	1	5500	73
ISAVGMDQLNPLRAMLYGSC	2139.5	5.83	1	1	1490	102.5
ITWPYGGGRDMVPNWNSSGSC	2227.4	5.83	1	1	12490	34
KAGQDAVTPITFYLAGNGSC	2013.2	5.83	1	1	1490	68.5
KILPLAGGQSLPWTTVDGSC	2043.3	5.83	1	1	5500	97.5
KLSGANNSWIQMLAVPDGSC	2091.3	5.83	1	1	5500	83
KTIIQDITFTMFFPSTSGSC	2224.5	5.83	1	1	0	58.5
KWLFIGQGQDNMQSPFPGSC	2240.5	5.83	1	1	5500	39
KYIGGWWDVSTGAYLIGGSC	2133.4	5.83	1	1	13980	78
LFQFRALTMIMIYLDTVGSC	2322.8	5.83	1	1	1490	117
LGLSQDVPLQNVTKIAGSC	2000.3	5.83	1	1	0	112
LIMLDIYLVAGLMPMKIGSC	2181.8	5.83	1	1	1490	156
LSIDGSSGWWRVPIGVMGSC	2107.4	5.83	1	1	11000	87.5
LTFTQWGSMDKDPAPYYGSC	2209.4	5.83	1	1	8480	24.5
LWPFQDGVKVAFAAISGSC	2088.4	5.83	1	1	6990	83
NASDTWNYANRGYPWINGSC	2289.4	5.83	1	1	13980	29.5
NDPSMQTTKFFIMTASSGSC	2153.4	5.83	1	1	0	24.5

NNDTLSFAMATAFRNAMGSC	2122.3	5.83	1	1	0	39.5
NPAWQAMTDILIGYNRPGSC	2207.5	5.83	1	1	6990	68.5
NVKLTTALDMFPPAQMNNGSC	2138.5	5.83	1	1	0	63.5
QARNAQQDNIIPGMGQNGSC	2102.2	5.83	1	1	0	49
QFSAYRNMWTALLDTSNGSC	2265.5	5.83	1	1	6990	49
QINMTDWMIPWPRSIFSGSC	2369.7	5.83	1	1	11000	58.5
QKNLMTWDYNFVNNAFIGSC	2365.6	5.83	1	1	6990	58.5
QMNKQNMVTTFMSPGFGSC	2223.5	5.83	1	1	0	14.5
QQTDWSARTINPMLQSLGSC	2236.5	5.83	1	1	5500	63.5
QTMFYVFKDYPSQGGFGGSC	2219.4	5.83	1	1	2980	14.5
QWNSNWGPFNWQWDRAIGSC	2452.6	5.83	1	1	22000	24.5
RFAAYTDQNWAFQLGQGGSC	2220.4	5.83	1	1	6990	34.5
RTAQDTMQLVQMSFLSTGSC	2204.5	5.83	1	1	0	58.5
WALILFLNRTYDYWFVWGSC	2553.9	5.83	1	1	19480	97.5
WIDYFTKFMYQQNPVFGSC	2537.8	5.83	1	1	9970	34
WIWQLGPYKSNNDPVVIGSC	2276.5	5.83	1	1	12490	87.5
WIYQMFNPYLFDPSTRGSC	2382.6	5.83	1	1	8480	39
WMYKAVAAVAGDPTFFAGSC	2092.4	5.83	1	1	6990	54
WNDLWQPGAGYFPMGRIGSC	2255.5	5.83	1	1	12490	44
WPLNQVRPQDQGFIWWYGSC	2480.7	5.83	1	1	17990	53.5
WQPDFIYATNSLTMSRLGSC	2290.5	5.83	1	1	6990	63.5
WVATSLGSFKWYIAWNDGSC	2291.5	5.83	1	1	17990	63.5
YAFTMYGKFSGWQDSGAGSC	2163.3	5.83	1	1	8480	10
YDNMASQNMIFIVPGRSGSC	2190.4	5.83	1	1	1490	58.5
YDVMLSQPNPVSWMRFPGSC	2314.6	5.83	1	1	6990	48.5
YGLFSMAGTTYDGYGARGSC	2077.2	5.83	1	1	4470	29.5
YIGLWQAMSTGDSRWNNGSC	2246.4	5.83	1	1	12490	44
YNVANADSKYYLGVGIFGSC	2141.3	5.83	1	1	4470	78
YPGWPLPGFQRMYYDYGSC	2431.7	5.83	1	1	11460	19.5
YPILMFAPNMDMFKSMWGSC	2369.8	5.83	1	1	6990	44
YQMGDFGINVYIGKANTGSC	2228.5	5.83	1	1	2980	58.5
YTIKIVDATPLIANTSSGSC	2054.3	5.83	1	1	1490	102.5
DFYYLSYVYTRNMQMYYGSC	2567.8	5.83	1	1	8940	34
DVGWMPFGPLYNKMYLMGSC	2309.7	5.83	1	1	8480	53.5
GIAADSKYTTTFQPSPWGSC	2117.3	5.83	1	1	6990	29.5
KTDQNAIPIPIWATAPGSC	2084.3	5.83	1	1	5500	73.5
NFDRTFQIQQFGNWWSVGSC	2420.6	5.83	1	1	11000	34
NWDNSTIKLAVPQWTSMGSC	2238.5	5.83	1	1	11000	58.5
QWWQDQWWQWPQTKAFNSGSC	2569.7	5.83	1	1	27500	5
WDTNIGGFMSMSIGRPTGSC	2117.4	5.83	1	1	5500	39
WMPVPTMWTWWLPAYDGSC	2483.9	5.83	1	1	23490	39
WYWQWYQFMVVRFSAWDGSC	2645.9	5.83	1	1	24980	34
YMSFLQGYVKPVVTMSDGSC	2212.5	5.83	1	1	2980	63
YQPFLFDMNPKYGYVFGSC	2439.7	5.83	1	1	5960	34
SSTMFWRDDPKRWQLEIGSC	2442.7	5.84	3	3	11000	39
STLRRETDGDQSIRTNIGSC	2209.3	5.84	3	3	0	58.5
TAKWYGIRNSQDEKVEAGSC	2242.4	5.85	3	3	6990	44
TEKFIRYDGTFFVEFKGSC	2460.7	5.85	3	3	6990	34
TRGRFYDEEPPVYFLRYGSC	2521.7	5.85	3	3	5960	34
APLLMVILTSDVCWVRGSC	2162.6	5.86	1	1	5625	141
SAIQTIETEYNRFKAFTGSC	2266.5	5.86	2	2	1490	49
SIQEEALFKKLNAWLNQGSC	2279.6	5.86	2	2	5500	88

SWERWQSTLWEPFVRMFGSC	2532.8	5.86	2	2	16500	34
ADSIAWTIIGKATYWSMGSC	2161.4	5.87	1	1	12490	73.5
AFLYGVWAQQQIPNRPDGSC	2250.5	5.87	1	1	6990	63.5
AGMDTPISIIVMKMALFGSC	2085.5	5.87	1	1	0	102.5
AGTILNWQRGSYDTFMAGSC	2178.4	5.87	1	1	6990	49
APWLWVYLIRSGDVYLMGSC	2329.7	5.87	1	1	13980	112
ATQNVSLMQFRIIGQDPGSC	2165.4	5.87	1	1	0	78
AYMATDFWNYNAVYIFRGSC	2392.6	5.87	1	1	9970	49
AYPWQVMWMQWYVDYRTGSC	2570.9	5.87	1	1	20970	34
MDYLEMGRPFPMPWKDRAGSC	2390.7	5.87	3	3	6990	24.5
MGSLRRSWWDDRMISTEGSC	2373.6	5.87	3	3	11000	39
MLSLFKNTMESSDDKKVGSC	2220.5	5.87	3	3	0	53.5
MLYPNDSMKKMEQKAIDGSC	2289.6	5.87	3	3	1490	44
MPPSKGVDIRGMRGSDGSC	2079.3	5.87	3	3	0	34
MRTFIATQSKIYKDDSEGSC	2280.5	5.87	3	3	1490	44
AGRVTNYSFYSPTPDWNGSC	2222.3	5.87	1	1	8480	19.5
TRKTDQSENVDQSQRREGSC	2388.4	5.88	4	4	1490	0
MYKTSAQMRSYEGEYWGSC	2440.7	5.89	2	2	11460	5
MESYGMFEYTRTNNRQIGSC	2387.6	5.9	2	2	2980	19.5
MLYKASIQENRMMSTELGSC	2292.6	5.9	2	2	1490	63.5
PVYVQAQAYNLPNPSQLGSC	2149.4	5.9	0	0	2980	78
SIKDVRISAERSLSAEGSC	2095.3	5.9	3	3	0	83
SVPEPEMLAPDTRFKIKGSC	2205.5	5.9	3	3	0	58.5
SWGRELKMQMMLLVEGDGSC	2267.6	5.9	3	3	5500	73
TAMYKNESKIEEFNRTTGSC	2309.5	5.9	3	3	1490	24.5
TSRFEPSRKWYEQNELIGSC	2430.6	5.9	3	3	6990	39
MLPGESREPIPVVRGNPGSC	2095.4	5.9	2	2	0	68
PAGPMFVPLPAPVMPMPGSC	1996.4	5.91	0	0	0	58.5
PGPFMGLPLIPAVVAAAGSC	1868.2	5.91	0	0	0	107.5
PLAVMPVFILVGFMPPGSC	2032.5	5.91	0	0	0	107
PVFPIGILVFMFIFAMFGSC	2220.8	5.91	0	0	0	112
PVMMVMFPVFLIMAPVVGSC	2166.8	5.91	0	0	0	102
PVPIMFMFALVGLLGAFGSC	2070.6	5.91	0	0	0	117
TGFGQKVFMLMHGMDDHGSC	2198.5	5.91	2	1	0	34
TLPIDVSQMNHKPVIDHGSC	2191.5	5.91	2	1	0	87.5
PNGTQPLGPVWNPGYATGSC	2016.2	5.91	0	0	6990	39
PYTSVWSPGGMVQLQVPLGSC	2078.4	5.91	0	0	6990	82.5
SMIIHWHVDLTSSPQANGSC	2183.4	5.92	1	0	5500	78
STPHAHPYWPSSDTSLNGSC	2144.2	5.92	1	0	6990	24.5
SYIVMHWLITHLDWSMSGSC	2366.7	5.92	1	0	12490	92.5
TEHWIYVDSTFKQLYHQGSC	2442.6	5.92	2	1	8480	53.5
TIFPAGHGIDHEMQSKWGSC	2201.4	5.92	2	1	5500	44
TLYHESKLTIQYHTLTDGSC	2310.5	5.92	2	1	2980	78
TQGVAFHGQTHYPYQLEGSC	2223.4	5.92	1	0	2980	39
TSINFGTQTPGWIEIHHGSC	2171.3	5.92	1	0	5500	53.5
VAADYSNYPYDNTKFQRGSC	2299.4	5.92	2	2	4470	24.5
VDGRNITRWQWYLQSDIGSC	2397.6	5.92	2	2	12490	73
VDPQNVVKKYGAWWWVDGSC	2337.6	5.92	2	2	17990	63
VIITQIPGVVDMKRDYPGSC	2191.5	5.92	2	2	1490	102
VKINTFGWWNDSMSDRNGSC	2317.5	5.92	2	2	11000	34
VTRRDAADTGYLWWSMGSC	2276.5	5.92	2	2	12490	44
VVWFFQPDIGPFFKSGDGSC	2214.5	5.92	2	2	5500	48.5

THYLATTSYALMPEHLGSC	2208.5	5.92	1	0	2980	88
MEKDNKVASGEWLFWKTGSC	2316.6	5.93	3	3	11000	39
MFNQSQAHFPLVWDAFHGSC	2322.6	5.93	1	0	5500	44
MNVHYAAQDVINFGAHQGSC	2162.3	5.93	1	0	1490	63.5
MPQYPFFNGHVWDAHSGGSC	2237.4	5.93	1	0	6990	19.5
MWENTKKALNEDYFFQRGSC	2467.7	5.93	3	3	6990	24.5
SHGNNQSHPEAYPGPWTGSC	2126.2	5.93	1	0	6990	5
SVQINLHPSESHLMYAGGSC	2130.3	5.93	1	0	1490	78
MHALSTSGQHLWDPWMTGSC	2245.5	5.93	1	0	11000	44
SAHYADPPPHIFKYMDQGSC	2264.5	5.93	2	1	2980	29.5
STQNQGHMNHQMQLLYGSC	2306.5	5.93	1	0	1490	39
MGNTQILPIHAAHESILGSC	2092.4	5.94	1	0	0	107.5
MILEPHSISVPGFAHIPGSC	2092.4	5.94	1	0	0	97.5
MPHPDKAHQPPTFYDVMGSC	2258.5	5.94	2	1	1490	19.5
MSQKTRNAQDQEREGISGSC	2225.3	5.94	3	3	0	24.5
MTALFHEYSGWTSHPATGSC	2183.4	5.94	1	0	6990	29.5
MTGIWSAMPYHNIESHNGSC	2235.4	5.94	1	0	6990	44
SDDDRSSDRVWKVHHGYGSC	2306.4	5.94	4	3	6990	29
SHPRITTSDDHGDSPKGGSC	2054.1	5.94	3	2	0	19.5
SIYNIHFSYMHTDKVENGSC	2345.5	5.94	2	1	2980	53.5
SKELVKFRETDIVKPIDGSC	2264.6	5.94	4	4	0	87.5
SSPSKMQGHDLINHEFLGSC	2187.4	5.94	2	1	0	58.5
TENIGAAHWHQIFNEKAGSC	2213.4	5.94	2	1	5500	54
TEQWSVNVQRHEPYNYHNGSC	2434.5	5.94	2	1	8480	29
TFWIIYHSEHTWKLGEIGSC	2407.7	5.94	2	1	12490	78
MSLHSLYPWGHEGASSPGSC	2103.3	5.94	1	0	6990	44
SIDWGFYWENHLISKHFGSC	2426.6	5.94	2	1	12490	58.5
SMDHQSHTPKPQELFMPGSC	2257.5	5.94	2	1	0	19.5
DFQTLKSWDMLGAGQKVGSC	2171.4	5.95	2	2	5500	58.5
DIPRKNLVDIITPGQQFGSC	2201.5	5.95	2	2	0	92.5
DIQWTDLSYGFIRSQWKGSC	2390.6	5.95	2	2	12490	58.5
DISKFAWWQQSSKGGDMGSC	2218.4	5.95	2	2	11000	24.5
DSRYPVSDTMNTKNSGYGSC	2182.3	5.95	2	2	2980	14.5
DTTPQTWATAPDQKRQTGSC	2192.3	5.95	2	2	5500	10
DWARSNTSRSMDFNLGWGSC	2290.4	5.95	2	2	11000	24.5
DWKRYFQGDNQTVIYPFGSC	2424.6	5.95	2	2	8480	34
DYLGRNQSRLDATVGTYGSC	2176.3	5.95	2	2	2980	58.5
FDMQIIKGTGFPVYPDKGSC	2203.5	5.95	2	2	1490	53.5
FDVSPKQLNDMMGITYKGSC	2234.5	5.95	2	2	1490	53.5
FKLGYYTDDVTNRVSNTGSC	2178.3	5.95	2	2	1490	48.5
FPYIVTQNDGQFYRKWDGSC	2424.6	5.95	2	2	8480	34
FRWTPFRGDPDVSGFWYGSC	2380.6	5.95	2	2	12490	14.5
GLSLMYRLLNASRDDLMGSC	2215.5	5.95	2	2	1490	102.5
GRLALQKLWIQTNDGDMGSC	2206.5	5.95	2	2	5500	83
GRPVRTANFFDNDLGLLGSC	2152.4	5.95	2	2	0	78
GRVPQDFNTPSFDRVFWGSC	2315.5	5.95	2	2	5500	29
GTKVVDVTADAGRGTGSC	1896	5.95	2	2	0	53.5
GTTTWDDITFIPLRRYGSC	2315.6	5.95	2	2	6990	78
IDFDIIMFWKVASNLNGSC	2301.7	5.95	2	2	5500	97.5
IKDYIDMKNQFSLSVVTGSC	2248.5	5.95	2	2	1490	87.5
INIQFYIWQDLWAYRKDGSC	2519.8	5.95	2	2	13980	83
IYVADSMTPPKPFDKQWGSC	2270.6	5.95	2	2	6990	39

KMAFNGYTNDWSDFSKGGSC	2215.4	5.95	2	2	6990	5
LPMSDLLMYKVDVAMKIGSC	2214.7	5.95	2	2	1490	112
MYWNVMQHEVILDKHSSGSC	2364.6	5.95	2	1	6990	68
NKPNWPNDLGMVKVFLDGSC	2234.5	5.95	2	2	5500	68
QLWRYNDAFKLTWWTDSGSC	2477.7	5.95	2	2	17990	44
RKTITTYWQYDGGSTGDGSC	2196.3	5.95	2	2	8480	19.5
RPAFDKFADSYWYPPNLGSC	2334.5	5.95	2	2	8480	29.5
RRPVWMDQVWLWYQDLWGSC	2625	5.95	2	2	23490	68
RTINQPGNTMKGDDNMSGSC	2126.3	5.95	2	2	0	19.5
RWDNIIYNIDRMWIFYMGSC	2597	5.95	2	2	13980	78
SEHSNTPWHKEPNPFFPGSC	2298.4	5.95	2	1	5500	0
SIKDFETDDAHHQNRWYGSC	2395.5	5.95	3	2	6990	24.5
SMMVQFRERGSYREEVGSC	2364.6	5.95	3	3	1490	48.5
SYRDSTKQSYTDHTNEGSC	2316.3	5.95	3	2	2980	0
TFMQEWWQEPHLKHRQDGSC	2543.8	5.95	3	2	11000	19.5
WDSSKRDNINQNPWLMSGSC	2338.5	5.95	2	2	11000	39
WGAFPGKNFSMQDRDNGSC	2231.4	5.95	2	2	5500	5
WSGMTLRINARFYQWDDGSC	2406.6	5.95	2	2	12490	44
YKVNLVKTYVDFSVNGDGSC	2208.4	5.95	2	2	2980	77.5
DRVFNSDYTLFGKQSIYGSC	2300.5	5.95	2	2	2980	53.5
FIMFGVDNVKPAQDRIYGSC	2260.6	5.95	2	2	1490	73
IWDPQQKFQASTKTDYWGSC	2389.6	5.95	2	2	12490	24.5
KPRALNNMPFAFDTSDYGSC	2234.4	5.95	2	2	1490	29.5
LKDLLRGVAYDYNFTPLGSC	2245.5	5.95	2	2	2980	97.5
NWRLNVGDIPTDKNFNAGSC	2221.4	5.95	2	2	5500	58.5
QLLVVKDQNWPDVKSPFGSC	2274.6	5.95	2	2	5500	87.5
SSHLSRVHFENFVPEQPGSC	2257.4	5.95	2	1	0	48.5
YIVGDTVGD LNRSRFGWGSC	2202.4	5.95	2	2	6990	68
MHTVLKQGDGDDYWHHHGSC	2323.5	5.96	3	1	6990	34
MPETTIRHYNEFQHTWAGSC	2408.6	5.96	2	1	6990	24.5
SEHMKDMMESFSAWHRNGSC	2370.6	5.96	3	2	5500	5
SNDHHNSIYAHEWMLHAGSC	2309.4	5.96	2	0	6990	49
SYKQYHIGRHIDLESLEGSC	2335.5	5.96	3	2	2980	78
TAHEFEQYKEWARPHNQGSC	2418.5	5.96	3	2	6990	10
VAYQGMSYPWAEPARGQGSC	2158.3	5.96	1	1	8480	29.5
VFYPYQGTMLKTEWYAGGSC	2301.6	5.96	1	1	9970	39
VKTPMEWNVANMAYTPGSC	2200.5	5.96	1	1	6990	39
VPLPIREMQYMYMTMFGSC	2396.9	5.96	1	1	2980	68
VYTRWTSEQSIYFTAVVGSC	2297.5	5.96	1	1	8480	68
TQEFWAHRMGEEQRMMHGSC	2451.7	5.96	3	2	5500	5
ATGSDFIQPIGWSHHPIGSC	2110.3	5.97	1	0	5500	63.5
DTVHHWIGNYMPNYQMFGSC	2400.6	5.97	1	0	8480	34
FIHWFANPLSDPLHAQQGSC	2268.5	5.97	1	0	5500	68.5
FWMHIHDLITNTWQFGGSC	2406.7	5.97	1	0	11000	78
GVHALGWFIATMGGDGGSC	1973.2	5.97	1	0	5500	63.5
HDGINNTTGAPHWMGPTGSC	2053.2	5.97	1	0	5500	24.5
HLNTPLFHGPDLMWNPNGSC	2322.6	5.97	1	0	11000	58.5
HMFIHQPFNPNQMDQNYGSC	2408.6	5.97	1	0	1490	19.5
IMQNGIIPNLVYVHMQDHGSC	2270.6	5.97	1	0	1490	92.5
IQNDSPWHQNVIIQVHVGSC	2272.5	5.97	1	0	5500	87.5
LPFFDYWLNHYFQNGHSGSC	2432.6	5.97	1	0	8480	39
LQHMLHDLMYFQGWIIYGSC	2505.9	5.97	1	0	9970	78

NFSNHNSNYWDMGWQNHGSC	2398.4	5.97	1	0	12490	0
NTPANSLDGTGYLHHVVGSC	2098.3	5.97	1	0	1490	92.5
QIDVLGIHQFMQMSQHGSC	2287.6	5.97	1	0	0	73
VHDPTYDMLFGPLFKQHGSC	2292.6	5.97	2	1	1490	53.5
VIPWQVWIGLSRFFEYPGSC	2384.7	5.97	1	1	12490	87.5
VNITRFFITEGPQLPFLGSC	2239.6	5.97	1	1	0	92.5
VPFEIASVSTRPSILTVGSC	2063.4	5.97	1	1	0	107
VTERQLMMSYIQMAQQLGSC	2246.6	5.97	1	1	1490	78
VTILFPMNRGMQPEMGMGSC	2199.6	5.97	1	1	0	53.5
VTRLATTSMGEFLVINSGSC	2086.4	5.97	1	1	0	92.5
WFGSSWTGMHDQFTGHMGSC	2259.4	5.97	1	0	11000	0
WGTWYTGTVHFDHIQHGSC	2367.6	5.97	1	0	12490	73
WQMVDTAMFFPHHNWYMGSC	2488.8	5.97	1	0	12490	19.5
YDFFYPNMHHVQMSLMVGSC	2406.7	5.97	1	0	2980	48.5
YNNHPPHLMNLYDQGGAGSC	2188.3	5.97	1	0	2980	44
DFQTHHPTTSVLVWMAFGSC	2264.5	5.97	1	0	5500	53.5
MMEDTRFPVEYKHPHTYGSC	2428.7	5.97	3	2	2980	14.5
NIMDTPNPHVYGVAGHGSC	2068.3	5.97	1	0	1490	68
NWASHDMNAYVWWTMFHGSC	2443.7	5.97	1	0	17990	24.5
SKEMHHSEFWKESGLFVGSC	2325.6	5.97	3	2	5500	34
VNWPLKIPVQPLEGFQTGSC	2213.5	5.97	1	1	5500	87.5
WGVHDISWFSPGATSNHGSC	2145.2	5.97	1	0	11000	39
WHGVQIDFYSPWGHTTQGSC	2306.5	5.97	1	0	12490	34
AAHINDVQSYLSRQHDSGSC	2188.3	5.98	2	1	1490	63.5
AGLSVDLYDWAHNNHRIGSC	2228.4	5.98	2	1	6990	83
DDIKIQPNAWAGTIVHHGSC	2162.4	5.98	2	1	5500	83
DDSRWHIVAPMHSFPWLGSC	2341.6	5.98	2	1	11000	58.5
DGHLIQGLHMARVVNTDGSC	2123.3	5.98	2	1	0	92.5
DIQNWDVSNIVHVTYRHGSC	2430.6	5.98	2	1	12490	68
DIRLSHAALPHSIDWFSGSC	2212.4	5.98	2	1	5500	88
FFNDQQFHFKVMHTDWSGSC	2411.6	5.98	2	1	5500	14.5
FMTQIPTHSQMQTELAHGSC	2247.5	5.98	1	0	0	44
FNPNNHYEPAMLINWPHGSC	2341.6	5.98	1	0	6990	44
GHQIFDQQSQSYVDHNGSC	2278.4	5.98	2	1	1490	34
GMVNEHPMGPLWSHLAVGSC	2122.4	5.98	1	0	5500	73
GQDHWAIKYIMMAVDHIGSC	2275.6	5.98	2	1	6990	83
GQSPHAHTPPEVPGNSMGSC	1990.1	5.98	1	0	0	19.5
GWGPMVMVHLHVLQQNEGSC	2222.5	5.98	1	0	5500	82.5
HAGVKDTVQWDNHYMFAGSC	2266.4	5.98	2	1	6990	39
HDNNTYHIATRFYIDQFGSC	2402.5	5.98	2	1	2980	44
HFNTHGMPFIFPENTISGSC	2236.5	5.98	1	0	0	39
HIVSYDFKLWDMATPHGSC	2320.6	5.98	2	1	6990	78
HQVDMYHNNTDYVTRYQGSC	2431.6	5.98	2	1	4470	29
HSNDWTAGDNGFHTTTKGSC	2136.2	5.98	2	1	5500	5
HTDFTVYMSFDHPGKGQGSC	2214.4	5.98	2	1	1490	14.5
HTVEIVSVQLNQHFNQYGSC	2303.5	5.98	1	0	1490	82.5
HWETTFYGYWLIFGVHGSC	2416.7	5.98	1	0	13980	73
HYPPQIDLYKHWDFLVGGSC	2375.6	5.98	2	1	8480	73
HYRQMSQAYSQPDYDHGSC	2436.5	5.98	2	1	5960	5
ILAHQIFDWNHPIPKPGSC	2304.6	5.98	2	1	5500	102.5
ISRNYGHATDPMDSHQYGSC	2239.3	5.98	2	1	2980	24.5
IYGHPRLPIDPLPMTHGSC	2219.5	5.98	2	1	1490	78

LAHDRHSDFALVSFPYMGSC	2253.5	5.98	2	1	1490	63.5
LLRFDMVYIYHMLHDVGGSC	2369.8	5.98	2	1	2980	107
LPYANVAHTWLGITEHIGSC	2182.4	5.98	1	0	6990	102.5
MTMERRFLGTTFEWLREGSC	2450.8	5.98	3	3	5500	39
NAFSEVVQTFHYHQPTGSC	2299.5	5.98	1	0	1490	34
NHPQPEPHYSTYPTMTLGSC	2260.4	5.98	1	0	2980	19.5
NMTGAEHWPYGQAGNHTGSC	2118.2	5.98	1	0	6990	10
NNPFNTMHSHQSYFPGEGSC	2254.3	5.98	1	0	1490	0
NPRMIVGSDAILHHDYAGSC	2156.4	5.98	2	1	1490	83
NQNSPNSGLPHMHAYEMGSC	2174.3	5.98	1	0	1490	24.5
QHLQTSENVLHMLGTASGSC	2113.3	5.98	1	0	0	78
QMPAWASMVWETMPHHSGSC	2273.6	5.98	1	0	11000	24.5
QQFTVGMGFHYEIFHPNGSC	2299.5	5.98	1	0	1490	34
QQGQNAVIVFHPNEYHLGSC	2241.4	5.98	1	0	1490	73
QVNGIHKDYHLPWWSNDGSC	2356.5	5.98	2	1	12490	53.5
QYDFHTYKLTSGPHLLDGSC	2282.5	5.98	2	1	2980	58.5
RSNMPHAHDMTGFPDVLGSC	2172.4	5.98	2	1	0	39
VAHYFHPAVNISSEPTNGSC	2130.3	5.98	1	0	1490	58.5
VDLHHIQWWKWDQDWKNGSC	2581.8	5.98	3	2	22000	53.5
VEVQMhGMITHFLISGWGSC	2232.6	5.98	1	0	5500	87.5
VMNYFTLAHQEPGWHFMGSC	2355.6	5.98	1	0	6990	39
VMYWTFHVLMLHTEGMNGSC	2356.7	5.98	1	0	6990	68
VPVQFYHHVNTHHQEDNGSC	2348.4	5.98	2	0	1490	43.5
WADDYHVVFGVHVKQSGGSC	2266.4	5.98	2	1	12490	34
WALYVAVFHRDSYHPDLGSC	2336.6	5.98	2	1	8480	78
WLVHNMFMAYRYIHDDIGSC	2471.8	5.98	2	1	8480	78
WNWKGVVNDHQWDNWWHGGSC	2467.6	5.98	2	1	22000	43.5
WPPPQWAHEVAYYTYHGGSC	2349.5	5.98	1	0	15470	24.5
WQRFHLYSHYDYTDFAAGSC	2543.7	5.98	2	1	9970	24.5
WRMNTMDMISHDILFNGHSC	2408.7	5.98	2	1	5500	58.5
WVQGFTHAQVSHRYDDVGSC	2292.4	5.98	2	1	6990	48.5
YANPIRVFFGADDHHVQGSC	2233.4	5.98	2	1	1490	58.5
YPLGVLQTHGLWTHTGEGSC	2156.4	5.98	1	0	6990	73
YTMHNPAKADIVGGTDHGSC	2074.2	5.98	2	1	1490	44
YYAHLEYTQFGPWNHLSGSC	2373.5	5.98	1	0	9970	44
AHYWAAGNDWYSPHDYKGSC	2328.4	5.98	2	1	15470	15
DNAKSFNQMHMALMYDNGSC	2283.4	5.98	2	1	1490	29.5
DNINWIHLSAMINFKDGSC	2315.6	5.98	2	1	5500	83
DPNQVSSSDHHVSTYYKGSC	2211.3	5.98	2	1	2980	29
FNTFHTLYYVESVHVQVAGSC	2302.5	5.98	1	0	2980	68
ILGELHLTQLNHMAVPWGSC	2219.6	5.98	1	0	5500	117
MEGALWENKEYVAHHRVGSC	2316.5	5.98	3	2	6990	58.5
NAWDPQHGNESHYSVHDHGSC	2248.2	5.98	2	0	6990	19.5
RMWLFYYDGIHDPVHSPGSC	2380.6	5.98	2	1	8480	53.5
AGSWEMFSWHPQQVKDHGSC	2317.5	5.99	2	1	11000	19.5
AGVEQDAWGFYQQHHRSGSC	2263.3	5.99	2	1	6990	24.5
AHSAHDAAWSEHHRYVDGSC	2236.3	5.99	3	1	6990	34.5
AVWIKVWNIVYKLVDQDGSC	2336.7	5.99	2	2	12490	121.5
DGFYDHKYDRYHWPNAVGGSC	2430.6	5.99	3	2	9970	19.5
DHIKHGWLVRVDVRNDDLGGSC	2335.5	5.99	4	3	5500	87.5
ELSFWTTQIFLHHPSQWGSC	2404.6	5.99	1	0	11000	58.5
EYIMIHPNLVVHPWTLQGGSC	2337.7	5.99	1	0	6990	107

FAMVVAGYEKTVQAQAGSC	2073.4	5.99	1	1	1490	83
FDWPKFQNPGRHSSEPHFGSC	2304.4	5.99	2	1	5500	0
FFASYPPEYKQASYIGNGSC	2229.4	5.99	1	1	4470	29.5
FGTVALIGVEQTTKITGSC	2026.3	5.99	1	1	0	92.5
FIWGYALVKEGVMNWMTGSC	2292.7	5.99	1	1	12490	73
FQEITGAWKTNGIQYATGSC	2175.4	5.99	1	1	6990	49
FQHLQQPHYHIHSYDMEGSC	2457.6	5.99	2	0	2980	39
FQKLQAMNELWWQWAIFGSC	2486.8	5.99	1	1	16500	68.5
FWSNGTMIAPLIMEKQNGSC	2227.6	5.99	1	1	5500	63.5
GANAFYRTEWTSPIYMYGSC	2317.5	5.99	1	1	9970	29.5
GDWHGGWHWPRIEVFNAGSC	2311.5	5.99	2	1	16500	39
GEFQSFHKQVVAHAGDQGSC	2132.2	5.99	2	1	0	39
GELAATVANLRFYWYAIGSC	2205.5	5.99	1	1	8480	93
GEVTLFYPRGQTSAGIPGSC	2040.2	5.99	1	1	1490	58.5
GDFMHRNVHEGIQVPAGSC	2201.4	5.99	2	1	0	53.5
GIYVGSRINEAQLQFPQGSC	2167.4	5.99	1	1	1490	78
GNSPWASQENQKGPWWNGSC	2178.3	5.99	1	1	11000	5
GPHDKTNQHSKNNVDDWGSC	2239.3	5.99	3	2	5500	14.5
GQLVSRQGYYSVVENAFGSC	2164.3	5.99	1	1	2980	68
GRWLGEPNVQAGPTFFPGSC	2120.3	5.99	1	1	5500	39
GSAMTMHDQEHSQTKVTGSC	2135.3	5.99	2	1	0	19.5
GVSRRQWNSNWTAWVLEGSC	2308.5	5.99	1	1	16500	53.5
HLYRHWWDVNLEVLPTGSC	2396.7	5.99	2	1	12490	92.5
HMMGWDQPPIQETRIAHGSC	2294.6	5.99	2	1	5500	44
HMMYVEWTKIHPAVDWMGSC	2421.8	5.99	2	1	12490	53.5
HMYVLNLYLHPIEMDNRPSC	2389.7	5.99	2	1	2980	73
HPWLQGVKHEQPTAVMDGSC	2220.5	5.99	2	1	5500	53.5
HRWDMPIHMIVWSMQELGSC	2456.9	5.99	2	1	11000	73
HSYESHQHYRYHLDDYGSC	2560.6	5.99	3	1	7450	19.5
HYTRHTESWNWPADLLYGSC	2436.6	5.99	2	1	13980	44
IALFDPTKWPEHHQYFAGSC	2347.6	5.99	2	1	6990	49
IHDKFDQYFRHPDFLPLGSC	2435.7	5.99	3	2	1490	58.5
IHEVYDLIVFQHARANSWSC	2259.5	5.99	2	1	1490	97.5
IIQWLHRTDYEPYLYHQGSC	2522.8	5.99	2	1	9970	78
IMKLEFISQQFAYSMTGSC	2374.7	5.99	1	1	2980	63.5
IMVDSHYHVNYTNNKSEGSC	2298.4	5.99	2	1	2980	48.5
INKQSITYIYLFQFAQSGSC	2312.6	5.99	1	1	2980	83
ISYLKTALALYFIVQESGSC	2206.5	5.99	1	1	2980	122
ITADARPISEMWFVHHMGSC	2288.6	5.99	2	1	5500	63.5
ITITIRITSVIIAYYWEGSC	2302.7	5.99	1	1	8480	136.5
IVRVEAYMNITNQIWYPGSC	2357.7	5.99	1	1	8480	92.5
IWSEMKITQVMVIMPGIGSC	2223.7	5.99	1	1	5500	107
IYVDHGPRMLHWVDQDKGSC	2356.6	5.99	3	2	6990	68
IYVSKEGIHLYWHIIFDGSC	2380.7	5.99	2	1	8480	112
KASMMAEFMVAPFMVYGGSC	2157.6	5.99	1	1	1490	44
KGHVTDKWADTGQLTDHGSC	2156.3	5.99	3	2	5500	39
KITYLALLPMPISIFGTEGSC	2141.5	5.99	1	1	1490	102.5
KLMVFNHESSYHTWNDYGSC	2418.6	5.99	2	1	8480	34
KVMDQVITHTMENNWHWWSGSC	2416.7	5.99	2	1	11000	48.5
LEQGRVPANVMVSLQVPGSC	2084.4	5.99	1	1	0	102
LGGYDHQYKHLFIELFMGSC	2358.7	5.99	2	1	2980	78
LHWPYQQKLDQEAYPHSGSC	2387.6	5.99	2	1	8480	44

LIWGGWSQVRISPNMQEGSC	2248.5	5.99	1	1	11000	73
LLNIMFAWVPREGIYAIGSC	2253.7	5.99	1	1	6990	122
LLYHFIDMQVLVFHERTGSC	2408.8	5.99	2	1	1490	107
LPKYATEMLMQAWPVVLGSC	2237.7	5.99	1	1	6990	97.5
LPQEWSYWNISLTKWFPGSC	2442.7	5.99	1	1	17990	58.5
LQMPLWMMELLYSLKQWGSC	2458	5.99	1	1	12490	97.5
LQPLPIVMEQNRNVMYWGSC	2378.8	5.99	1	1	6990	87.5
LQRTTHVDIYAEWWHPIGSC	2412.7	5.99	2	1	12490	78
LTSDSEIRTINWHAVQHGSC	2254.4	5.99	2	1	5500	78
LVVGKALALATSSAEALGSC	1861.1	5.99	1	1	0	132
NAMWFHDEGKASWISMHGSC	2294.5	5.99	2	1	11000	29.5
NDWWWVHQMVFNEISHRNGSC	2459.7	5.99	2	1	11000	48.5
NEKFHLMYMYDSLHIFIGSC	2448.8	5.99	2	1	2980	78
NFINTNMMGVWAIEMNRGSC	2288.6	5.99	1	1	5500	58.5
NFMPEANVFQWVPPMRGSC	2323.7	5.99	1	1	5500	53.5
NFVTTGWMYNNNSWIRETGSC	2366.6	5.99	1	1	12490	34
NKMGLQFMQPQQAATPGSC	2166.4	5.99	1	1	0	29.5
NLPGSLGESAWGQKVTVGSC	1990.2	5.99	1	1	5500	73
NNWFVEVTKIPMQTPNTGSC	2266.5	5.99	1	1	5500	48.5
NQKEWYQNLVSAIPNGSGSC	2195.3	5.99	1	1	6990	58.5
NSMQLWHVKHFGDFESSGSC	2296.5	5.99	2	1	5500	34
NVGFMWGWQRWLETNTYYGSC	2412.6	5.99	1	1	13980	34
NWGHAMIHVAEYGEHHTGSC	2236.4	5.99	2	0	6990	44
NWLLSARIDYYMEPWHHGSC	2478.7	5.99	2	1	13980	63.5
PGSLHVIHNPSDDTHHMGSC	2141.3	5.99	2	0	0	53.5
PLGHMNSHFDATLGPWGSC	2124.3	5.99	1	0	5500	44
PPHDMQWHNWTYQQSNTGSC	2417.5	5.99	1	0	12490	0
QATIVELIPLIGAIVRFGSC	2100.5	5.99	1	1	0	156
QEIVYKSPSAYYFWMVFGSC	2405.7	5.99	1	1	9970	53.5
QFEMIMWQAWMFQIWKVGSC	2550	5.99	1	1	16500	58.5
QGPSPVVIKSEQSFNGSGSC	2008.1	5.99	1	1	0	48.5
QGQWMGWLARELGFMGSGSC	2245.6	5.99	1	1	11000	44
QHEPFFHEHAYMMHYWWGSC	2623.9	5.99	2	0	13980	5
QILWEHFTLSFVDWLHRGSC	2474.8	5.99	2	1	11000	92.5
QLQSSAWGRFGEMTGNGSC	2103.2	5.99	1	1	5500	24.5
QMTKSLQLNNTFNPFYEGSC	2322.5	5.99	1	1	1490	39
QQIMVRWPSLEATGGGNGSC	2091.3	5.99	1	1	5500	58.5
QYLWWQMLKIEWNSTYAGSC	2507.8	5.99	1	1	19480	63.5
RGVWVGPAIGIGLEVYLGSC	2046.4	5.99	1	1	6990	126.5
RIGQWEQWWMAFFVAQAGSC	2401.7	5.99	1	1	16500	49
RLAQYEMTYMITVAIFGGSC	2254.6	5.99	1	1	2980	83
RPSYYYWEAYNGQLNYPGSC	2367.5	5.99	1	1	11460	39
VIYHIPWRLPQHHPGDQEGSC	2332.6	5.99	2	1	6990	73
VKFHIFFYLWGHEDMPTGSC	2414.7	5.99	2	1	6990	53.5
VPPVIEKPWYHDMAHQQGSC	2322.6	5.99	2	1	6990	53.5
WETVFLYMNFAKAAVAGSC	2195.5	5.99	1	1	6990	68.5
WFPNPWESVKYIFQMGNGSC	2390.7	5.99	1	1	12490	34
WFPWLQETPQNVFNSKLGSC	2381.6	5.99	1	1	11000	53.5
WIFLTTNVELTSSWRWWGSC	2472.8	5.99	1	1	22000	73
WIKMSEFLINGQANNQIGSC	2253.5	5.99	1	1	5500	83
WRFYNFWTAYGNQFNESGSC	2477.6	5.99	1	1	13980	5
WTGWIGMTFWEGMLMSRGSC	2336.7	5.99	1	1	16500	39

WTWIIQQMLRNYAEGQTPGSC	2369.6	5.99	1	1	12490	44
WYHHFEDNSGAINRNITGSC	2321.4	5.99	2	1	6990	44
WYQNWRYTIMANLSQYEGSC	2513.7	5.99	1	1	15470	44
YESIASDHGYRPWHNTQGSC	2308.4	5.99	2	1	8480	24.5
YFEWLIPMLISVVMRGGSC	2348.8	5.99	1	1	6990	107
YGARSAFLAQFAIYEAYGSC	2188.4	5.99	1	1	4470	64
YHNEGSGNDTAHMAIWKGSC	2178.3	5.99	2	1	6990	29.5
YISGQIFQIQMNRSEYPGSC	2321.6	5.99	1	1	2980	58.5
YMPQWGGPMPRMEYSFQGSC	2352.7	5.99	1	1	8480	0
YMWMWAIEPFWNFARWYGSC	2645	5.99	1	1	24980	29.5
YRAMFPSQNAEGLIFTLGSC	2205.5	5.99	1	1	1490	68.5
YSTKYFNYHDPGEHTVMGSC	2336.5	5.99	2	1	4470	14.5
YSVQNKQEIGTTFGMPNGSC	2161.3	5.99	1	1	1490	34
YYAEILAAFKLFIGNWGGSC	2223.5	5.99	1	1	8480	93
YYIADLDDSSNHLRHTKGSC	2295.4	5.99	3	2	2980	63.5
YYQQFNVGAIEPMWKWPGSC	2404.7	5.99	1	1	13980	39
ADKMQWDNVPRPYPAYAGSC	2269.5	5.99	2	2	8480	29.5
AIPGSNILKEHMDHIQYGSC	2213.5	5.99	2	1	1490	83
AQPDHMTAGMMETRQLHGSC	2201.4	5.99	2	1	0	29.5
EQQAHQQSSMWNIGHTGGSC	2186.3	5.99	1	0	5500	24.5
FITMWERPSLWASIIWNGSC	2397.7	5.99	1	1	16500	83
FYIWYAPPVPTPLKELTGSC	2282.6	5.99	1	1	8480	78
GINPQQVKNQAWETYQFGSC	2298.5	5.99	1	1	6990	39
GIQSSHKSSFLNHDAEGGSC	2061.1	5.99	2	1	0	44
HSEYTLRYPIIPNHVVDGSC	2364.6	5.99	2	1	4470	73
KTATFSETYQAATGSTVGSC	2010.1	5.99	1	1	1490	29.5
LNKINSANWLVAALYNEGSC	2180.4	5.99	1	1	6990	107.5
LPTESSWYYNRAGNWLGSC	2291.4	5.99	1	1	13980	44
LWYSGIARQPISTLWEFGSC	2314.6	5.99	1	1	12490	83
NELAYWIMWLSGKFLAIGSC	2302.7	5.99	1	1	12490	107.5
NWNGAGFTAPVFGREVTGSC	2070.2	5.99	1	1	5500	39
PAPDNIWGHSNIAMHLMGSC	2151.4	5.99	1	0	5500	68.5
QAQLSQQFMAGNYFKEMGSC	2268.5	5.99	1	1	1490	29.5
WPATISYRGGQETNWMTGSC	2245.4	5.99	1	1	12490	24.5
WTRAEFWGVVYVFLTAYGSC	2403.7	5.99	1	1	13980	58.5
YDAFMIQMHRYHVKTDDGSC	2417.7	5.99	3	2	2980	39
AMWRGQNADFTMRDLQMGSC	2318.6	6	2	2	5500	29.5
DEFYVHAFQWRRINHDFGSC	2527.7	6	3	2	6990	39
DHEMGRYLFDLKLHNSFGSC	2369.6	6	3	2	1490	58.5
DHGMHEQIDKQYKIQGTGSC	2275.5	6	3	2	1490	39
EFRPTVSLYHHYTDTTYGSC	2377.5	6	2	1	4470	34
EGAAHMNLVARAHDMWLGSC	2169.4	6	2	1	5500	73.5
EHGQPQPSHDWYGVFRYGSC	2350.5	6	2	1	8480	14.5
EHHDIGTVSQRYLVIGYGSC	2234.4	6	2	1	2980	87.5
ETYDGLHAHYWRGISPYGSC	2312.5	6	2	1	9970	44
EYHWNDAPFRHLVMMFLGSC	2453.8	6	2	1	6990	58.5
FHMSFQHSNELKQELNWGSC	2422.6	6	2	1	5500	39
FNGHEQVQHYLAIAEKGSC	2188.4	6	2	1	1490	63.5
FNNKKHIEGPAADNHLDGSC	2167.3	6	3	2	0	49
FNP HHGMMERYEGWTGAGSC	2267.5	6	2	1	6990	5
FPSAHKEIVSEQSTAIHGSC	2128.3	6	2	1	0	63.5
GEQVERPQMLHAPMVHPGSC	2203.5	6	2	1	0	53.5

GGEVSFKESHGFLHMTGSC	2107.3	6	2	1	0	34
GHTPHGSIPKGEWPSPGSC	2060.2	6	2	1	5500	19.5
GWNPWIKHHWSFNMFEEGSC	2492.7	6	2	1	16500	19.5
HGGLEIHPLNRNELAYNGSC	2194.4	6	2	1	1490	83
HPYLVKEFFQFHIGQEGSC	2410.6	6	2	1	6990	39
HWGYELMQEHAYRLAQTGSC	2380.6	6	2	1	8480	49
HYRPLWEEGFMVHFQPMGSC	2451.8	6	2	1	6990	34
IHIGHSEFLNWRWIEAWGSC	2441.7	6	2	1	16500	83
IHKTEHWISTNADDWRAGSC	2327.5	6	3	2	11000	49
IMTNLNSFEAIRHMHETGSC	2291.6	6	2	1	0	63.5
IVSVMHEKTYPLSHGEVGSC	2173.4	6	2	1	1490	82.5
KDIIDFQQHENWHAVRPGSC	2380.6	6	3	2	5500	58.5
KEWVPDHNFDNMNQHQQGSC	2456.6	6	3	2	5500	14.5
KHVIPWSEQFSPEHQIIGSC	2322.6	6	2	1	5500	73
KWEGFHIMEGAYFAAVHGSC	2240.5	6	2	1	6990	49
LEAHDRFKHDIIWNPAQGSC	2337.6	6	3	2	5500	68.5
LTEPTMLMEHMHGAKVSGSC	2159.5	6	2	1	0	58.5
PQNPIVSVSPDRAHDHPGSC	2113.2	6	2	1	0	53.5
PVYHALEYQVWNAHMTIGSC	2319.6	6	1	0	8480	78
QHWAHEHWHGMWFDIEKGSC	2521.7	6	3	1	16500	24.5
QVGKNEDDGQHVVRHQFGSC	2240.3	6	3	2	0	43.5
RMYETWIAVAVESHFHGSC	2386.6	6	2	1	8480	58.5
RPDNVRVVPPEHQSGDGSC	2186.3	6	3	2	0	43.5
VHGNKEYFHNRRWNDDNGSC	2406.4	6	3	2	6990	14.5
VLAFGQEDHPDHGRARFGSC	2199.3	6	3	2	0	44
VRQEWIWEHWYVQTQSGSC	2559.8	6	2	1	17990	48.5
WKHWYQEWIMVHSENTLGSC	2534.8	6	2	1	17990	53.5
WYHVVDIKSLTDHEMGSC	2498.8	6	3	2	13980	53.5
YDWIERSDHNFPQKPHGSC	2463.6	6	3	2	6990	19.5
YEGAQAMIHSEFWKLGSC	2307.6	6	2	1	6990	68.5
YHENRIKTNYDNHGLDFGSC	2383.5	6	3	2	2980	39
YLPNLQHTHSEWVRSYGSC	2406.6	6	2	1	8480	53.5
DLRHLHDVSLEMAFSKPGSC	2242.5	6	3	2	0	78
EKHTLTPDIYNHALQGGSC	2247.4	6	2	1	2980	63.5
HVTIQIKEWLPIHEGLMGSC	2291.7	6	2	1	5500	112
HWPYSHYGGKNYEMENFGSC	2406.5	6	2	1	9970	0
KPVFQSEMVGNEHYHVGSC	2261.5	6	2	1	1490	63
NHKIEQSQEFFITQHLGGSC	2303.5	6	2	1	0	58.5
NVFEHHSFKPHLAWMTYGSC	2383.6	6	2	1	6990	39
QRLPPHFIHTWEPMEGVGSC	2321.6	6	2	1	5500	53.5
WESDHRNDWMHKIAQQGGSC	2385.5	6	3	2	11000	24.5
YKPHLHGQVENWMETVVGSC	2314.6	6	2	1	6990	63
AFGKHDRMTYNFETHVEGSC	2329.5	6.01	3	2	1490	19.5
ATFGTRAHEGPPNVHQEGSC	2095.2	6.01	2	1	0	24.5
AVLSKLYPGEHMKHFEDGSC	2248.5	6.01	3	2	1490	58.5
DIISRSIEERMSHHINLGSC	2297.5	6.01	3	2	0	97.5
DPFLKGVWIHNAEKSHEGSC	2254.5	6.01	3	2	5500	58.5
DPHANHWFSKEFPKIETGSC	2330.5	6.01	3	2	5500	24.5
DPKHAHQKGNWMEEMGVGSC	2241.5	6.01	3	2	5500	19.5
EDAFKRDIVNTNLYHHVGSC	2318.5	6.01	3	2	1490	73
EEFMNFSWHHKIWPNWGGSC	2492.7	6.01	2	1	16500	19.5
ENVYHMLIEKQHGYTTGSC	2309.6	6.01	2	1	2980	68

EQHSEDHHETYQSKHKTGSC	2368.4	6.01	4	2	1490	0
ESSHWIGSRHQWAVPMEGSC	2284.5	6.01	2	1	11000	39
EVEWHHNQNLFTTAGYKGSC	2321.5	6.01	2	1	6990	39
EVHLAWEKGAHFYLTGSC	2347.6	6.01	2	1	12490	83
EVVHMANDNSDTRKHMIGSC	2244.5	6.01	3	2	0	53.5
FDEYGLFEKAVPYHKHFGSC	2374.6	6.01	3	2	2980	39
FPRNDTILHKAHSETAGSC	2213.4	6.01	3	2	0	49
HHVVSEEDLSNGKGRGVGSC	2067.2	6.01	3	2	0	63
PDSRYSMQHQQFQHENWGSC	2465.6	6.01	2	1	6990	0
PSWNGHKQHRVDDQLVDGSC	2278.4	6.01	3	2	5500	48.5
PYHDAWAAIAAKLEHITGSC	2154.4	6.01	2	1	6990	83.5
QKYSYKENEIHFMYHDPGSC	2476.7	6.01	3	2	4470	19.5
QLDTHEPEIHRQNKISSGSC	2279.4	6.01	3	2	0	58.5
RMYNIEHKMTVAFEHGDGSC	2325.6	6.01	3	2	1490	39
RPNIDDMRDYHFHTREGSC	2448.6	6.01	4	3	1490	34
VFVHVHERKPTVDVVEGSC	2224.5	6.01	3	2	0	87
WHHRLINNFYFYMREDEGSC	2617.9	6.01	3	2	8480	39
EHIRFANLWWHIWEGPMGSC	2469.8	6.01	2	1	16500	63.5
EQRAVIMSPHMTHTWSEGSC	2287.5	6.01	2	1	5500	39
ILWFHIDWKERHNNLSLEGSC	2484.7	6.01	3	2	11000	78
LFRHGEMWRFWDHNSEVGSC	2493.7	6.01	3	2	11000	34
PIAYDSMILNEHHRWGAGSC	2257.5	6.01	2	1	6990	68.5
PIHSGSYNNPEGHYRFDGSC	2237.3	6.01	2	1	2980	19.5
RDKVNIDEIWNHDFNHKGSC	2427.6	6.01	4	3	5500	53.5
YHHKETWLHDQEHAMEGSC	2494.7	6.01	4	2	6990	24.5
DETFIGHEMLRVHRDRIGSC	2371.6	6.02	4	3	0	73
EPWQKHEHPVTAISDKGGSC	2206.4	6.02	3	2	5500	39
ETMGGSWKVSHDQLKEHGSC	2216.4	6.02	3	2	5500	34
EYSKGERDQGHTAPPAHGSC	2127.2	6.02	3	2	1490	10
HEAHEWTNYYQAKREVLGSC	2421.6	6.02	3	2	8480	44
HERIFRDDSTKGEHYWMGSC	2454.6	6.02	4	3	6990	19.5
HGTFREVKGDEDRVHGAGSC	2157.3	6.02	4	3	0	34
HPEVPEAVDNKHKSKQDGSC	2205.3	6.02	4	3	0	34
HSGKFWHVIESYKEWEGGSC	2366.5	6.02	3	2	12490	34
KEYVFWVKDFKHEDNHYGSC	2531.7	6.02	4	3	8480	29
KSHATMNHREQAEAPNEGSC	2197.3	6.02	3	2	0	15
PAWHLHNEFWRMSNDKDGSC	2430.6	6.02	3	2	11000	24.5
PDGSQTHWPRTKGNDEHGSC	2209.2	6.02	3	2	5500	0
PHEEYMRQFHSAGQPTFGSC	2309.5	6.02	2	1	1490	5
PHMIHEPIEPLIAQRWVGSC	2313.7	6.02	2	1	5500	97.5
PSTDMQHWTWHDPKFREGSC	2445.6	6.02	3	2	11000	0
PWFFFEFKHDRDSVPFYHGSC	2501.7	6.02	3	2	6990	14.5
PYHQTRWFYEFHEIVFPGSC	2543.8	6.02	2	1	8480	34
QQQETNTHKRSESNNEHGSC	2314.3	6.02	3	2	0	0
VIGNYGREAFRAHEENHGSC	2246.4	6.02	3	2	1490	44
WRQETYNYEALHEYLRHGSC	2555.7	6.02	3	2	9970	44
YPEHVLRLARHPFEESIGSC	2340.6	6.02	3	2	1490	78
DLLYWEKLHFKHERDTQGSC	2505.7	6.02	4	3	6990	58.5
EDHMLKMAITEWHPSGKGSC	2257.5	6.02	3	2	5500	44
GDPEFTKDLFHHTREYRGSC	2395.5	6.02	4	3	1490	19.5
DINGEKIMLHPREHRWEGSC	2407.7	6.03	4	3	5500	58.5
DIRQRDYAGSIKYWIDQGSC	2374.6	6.03	3	3	8480	63.5

DTKRLDWAYAWDQAIQKGSC	2355.6	6.03	3	3	12490	54
EHKPTFRNNWENNEWLHGSC	2498.6	6.03	3	2	11000	19.5
GYTSDMMYLSRVGDRDRGSC	2269.5	6.03	3	3	2980	34
IQIDVDVNYNNKTKAKGSC	2225.4	6.03	3	3	1490	73
LGDKYDDGWRQMTKQFPGSC	2332.5	6.03	3	3	6990	19.5
NDFDKKLIPFQWKQQYDGSC	2460.7	6.03	3	3	6990	39
PTEIFNYFHERWDHKMVGSC	2496.8	6.03	3	2	6990	34
VDAGAYRINQLAGGKEYGSC	2072.2	6.03	2	2	2980	68.5
VEATGLRTKDTLLAATGSC	2020.3	6.03	2	2	0	107.5
VEDNYGVTLRQPKYMGWGSC	2303.5	6.03	2	2	8480	48.5
VKDYEAWKFFNGYVATMGSC	2316.6	6.03	2	2	8480	39
VMKQYEWGRDVTMFYVAGSC	2370.7	6.03	2	2	8480	48.5
VNSWKQKWGIISFEGWDGSC	2327.6	6.03	2	2	16500	53.5
VQDPNFTARLKLTNMEFGSC	2271.5	6.03	2	2	0	58.5
WDWTPWKKQPRDAYPIDGSC	2449.7	6.03	3	3	17990	24.5
WMDVRFRRPTDALNDYGGSC	2359.6	6.03	3	3	6990	39
DRLRTEYEKPENHLHPTGSC	2382.5	6.03	4	3	1490	39
EKHTFEYIFKSNEQWQHGGSC	2498.7	6.03	3	2	6990	19.5
EMDVHEWHDKQKPNIRNGSC	2423.6	6.03	4	3	5500	34
FRMDNADDFYVMAIWRRGSC	2453.7	6.03	3	3	6990	44
IWDFKGGGKLKDYSDWYGSC	2325.5	6.03	3	3	13980	39
PMEWRMDAVHYMQEHRSGSC	2450.7	6.03	3	2	6990	19.5
VIEQRSYRNPSVSDPWPWGSC	2277.5	6.03	2	2	6990	48.5
VVPAMKDVTEAGTIKVGWGSC	2091.4	6.03	2	2	5500	87.5
AITYYWLVKFGIVQEAMGSC	2279.7	6.04	1	1	8480	97.5
AIWMNETTIYVFPQIRFGSC	2376.7	6.04	1	1	6990	78
AMVNTPAGSVYNEMWKTGSC	2146.4	6.04	1	1	6990	39
AMYSTEYRTSVSVSVFGSC	2173.4	6.04	1	1	2980	63
ASNIINFTWEYLSQRVQGSC	2316.5	6.04	1	1	6990	78
ATPFIMLEFSQKAAMIQGSC	2173.5	6.04	1	1	0	73.5
AVYPLLGAIIATVSKENGSC	2006.3	6.04	1	1	1490	122
AYNNKEFFAPTAFIPQLGSC	2218.5	6.04	1	1	1490	54
NRETESKNHSTHEETQRGSC	2330.3	6.04	4	3	0	0
ANFPTSATEMMARGMYFGSC	2172.4	6.04	1	1	1490	15
AVIFWWNFWLQEKVWMYGSC	2594	6.04	1	1	23490	73
RKHDYEEVESEFHPRKGGSC	2390.5	6.05	5	4	1490	14.5
DAGTRLLETLTQQWYRPGSC	2295.5	6.06	2	2	6990	63.5
DEIRWPGRNVYMILTGQGSC	2295.6	6.06	2	2	6990	73
DFFKETQFKPWYNWYYTGSC	2610.8	6.06	2	2	15470	0
DIIGQGFFTWKNVEQKGSC	2270.5	6.06	2	2	5500	73
DKWWSTESRYIYFQNNGGSC	2441.6	6.06	2	2	13980	19.5
DMIVKNYESMMRFVIAYGSC	2357.8	6.06	2	2	2980	73
DMTGGPTNETKIKAIVQGSC	2050.3	6.06	2	2	0	58.5
DMWLRLPTNIFVELRPFGSC	2394.8	6.06	2	2	5500	92.5
DQIWNIRKVNWIAGVGEAGSC	2245.5	6.06	2	2	11000	92.5
DRINWENYPLTKWGAPGGSC	2264.5	6.06	2	2	12490	44
DSEMWKIAIQVVIPATRGSC	2204.5	6.06	2	2	5500	97.5
FERDPLMMPWSFLQSRQGSC	2415.7	6.06	2	2	5500	39
FETVLNIYDKTRLSNVQGGSC	2287.5	6.06	2	2	1490	87.5
FGWSANVFDINERMKTGSC	2261.5	6.06	2	2	5500	53.5
FKFEMWKWWMLNWASDQGGSC	2580.9	6.06	2	2	22000	24.5
FPEILSTTIDRVVVNRGGSC	2163.4	6.06	2	2	0	102

FRYAVQYREMQFMPSTDGSC	2416.7	6.06	2	2	2980	19.5
FSEDSKLMGWSAKQGAMGSC	2120.4	6.06	2	2	5500	29.5
FSWGGWFAKDIESQKTQGSC	2262.4	6.06	2	2	11000	24.5
FVDRPEWGS GFSTAQFRGSC	2234.4	6.06	2	2	5500	19.5
FWTLGIMRGGESSDFQRGSC	2234.4	6.06	2	2	5500	39
GANNQRLPMFARYDSENGSC	2230.4	6.06	2	2	1490	29.5
GGERGVIGDITAMKLAQGSC	1963.2	6.06	2	2	0	83
GKVASNADEGKVGAWTSGSC	1924	6.06	2	2	5500	44
GMFNMEADGKRGYQWNSGSC	2238.4	6.06	2	2	6990	5
GWLQWMRELGYWTPDQRGSC	2469.7	6.06	2	2	17990	39
GYLTQEIVDGKYPGLPRGSC	2153.4	6.06	2	2	2980	73
GYQYDTWWMIEVKLVPRGSC	2431.8	6.06	2	2	13980	68
GYRFMIVAWLEPAKLDQGSC	2284.6	6.06	2	2	6990	83
IAPPPRKAVFFDEL FVMGSC	2224.6	6.06	2	2	0	78
IDFWLLRPNVLREL VYGSC	2350.7	6.06	2	2	6990	126.5
IDYTEIIKTNWMKFMGWGSC	2423.8	6.06	2	2	12490	58.5
IGRNFKLNFQDQSEQAIGSC	2255.4	6.06	2	2	0	63.5
IGTFAPQWGWFNRPEDGSC	2296.5	6.06	2	2	11000	24.5
IMAMDKILAWKYL PYVEGSC	2331.8	6.06	2	2	8480	102.5
ISDRIGQLNIYEARTGWGSC	2239.4	6.06	2	2	6990	83
ISGEVRDYRFLGAMAPAGSC	2100.3	6.06	2	2	1490	68.5
ITEYMMWKFPVLRATTDGSC	2349.7	6.06	2	2	6990	58.5
KAQMREFWDQTAL TLPFGSC	2329.6	6.06	2	2	5500	49
KEFGKFQSAYDLSIMSLGSC	2211.5	6.06	2	2	1490	63.5
KFWNQNESVNPFD TIPRGSC	2339.5	6.06	2	2	5500	34
KFYAPSVRMLLNPTSDEGSC	2215.5	6.06	2	2	1490	58.5
KLPVFMNNYAEAWGRIDGSC	2271.5	6.06	2	2	6990	63.5
KLSTTLETSGKLT DVAAGSC	1982.2	6.06	2	2	0	83
KTSKFIWAGESSDAWQMGSC	2219.4	6.06	2	2	11000	29.5
LDVSL LQTTSFKELGPGSC	2123.4	6.06	2	2	0	92.5
LFIRGRDLYNYEFYIMTGSC	2461.8	6.06	2	2	4470	78
LNPTTGAKQSNDMRENMGSC	2154.3	6.06	2	2	0	24.5
LRQMTYYSN DATFEFQRGSC	2417.6	6.06	2	2	2980	24.5
LTWMERQMDTVRLLWIFGSC	2485.9	6.06	2	2	11000	92.5
LWGS DNPFFKISMPWEMGSC	2313.6	6.06	2	2	11000	39
NIRASEDNFWKNIWLQMGSC	2412.7	6.06	2	2	11000	63.5
NITYQNNWLEDIFKISRGSC	2401.6	6.06	2	2	6990	78
NLDTSERNQFRYFSVTTGSC	2325.4	6.06	2	2	1490	34
QAWRLFPVLRMF EINDTGSC	2383.7	6.06	2	2	5500	78
QKQSSKNFYLEQSALIDGSC	2246.4	6.06	2	2	1490	63.5
QLRLTMTWLM MRFSWEDGSC	2491.9	6.06	2	2	11000	58.5
QPIRFSFQFQGPFWDEK GSC	2404.6	6.06	2	2	5500	19.5
QPWEGYYQRAWGTRSSDGSC	2334.4	6.06	2	2	13980	5
QQEYVMNYKNRNDQGVGGSC	2290.4	6.06	2	2	2980	29
RAMGMFDMMWINETRWTGSC	2423.8	6.06	2	2	11000	24.5
RAWENN MNLYDFKVAPSGSC	2302.5	6.06	2	2	6990	44
RENLWIVRVGDGFGPANGSC	2147.4	6.06	2	2	5500	73
RIAPGVSDGRVQQASESGSC	2004.1	6.06	2	2	0	58.5
RIIGPEYNNIDWKQPWVGSC	2375.6	6.06	2	2	12490	73
RMAEKQDYTQLSVNVPLGSC	2239.5	6.06	2	2	1490	73
RNREDTPPV PQIAFLIWGSC	2299.6	6.06	2	2	5500	78
RQVDVLSPE SIMAKGNFGSC	2138.4	6.06	2	2	0	73

RYNAQPMIDMRPGELLGGSC	2208.5	6.06	2	2	1490	63.5
SELGSSKEKEERKRSEWGSC	2312.5	6.06	5	5	5500	19.5
WIAMVEYQAQFRDKWMVGSC	2448.8	6.06	2	2	12490	58.5
WKWGPNDMWENFPSFIRGSC	2457.7	6.06	2	2	16500	19.5
WKYNVAIKMGMDNGEMGGSC	2191.5	6.06	2	2	6990	39
WLRLDPETAMIKVSPLAGSC	2187.6	6.06	2	2	5500	102.5
WNYWFALRVEFKMGADYGSC	2443.7	6.06	2	2	13980	44
WVRVFTKWDMANLELGGSC	2311.7	6.06	2	2	11000	87.5
WWTEANKYDSRVFVWTMGSC	2466.7	6.06	2	2	17990	34
YEPVWIRWKVYTFTDIQGSC	2491.8	6.06	2	2	13980	68
YLSNIGLQRFDEVTVRSGSC	2244.5	6.06	2	2	1490	87.5
YPEMYTFMGLKVTQNKDGSC	2312.6	6.06	2	2	2980	34
YPRWDGQGPKYEFVTAAGSC	2232.4	6.06	2	2	8480	24.5
YTFWTMVGEVVKPRVDIGSC	2287.6	6.06	2	2	6990	77.5
YWTITLAQFPKLFEDRWGSC	2461.8	6.06	2	2	12490	63.5
DVYVYQERSKAGILNPAGSC	2170.4	6.06	2	2	2980	78
DYRAAGGMRVIPTETNAGSC	2069.2	6.06	2	2	1490	49
FMETRPDRPGYGQSFMMGSC	2297.6	6.06	2	2	1490	0
FNQNQKSARDNFLEISPGSC	2255.4	6.06	2	2	0	44
FVQAQDSMKPIYESSYKGSC	2268.5	6.06	2	2	2980	39
GENTKNDAPAGSFSVWRGSC	2083.2	6.06	2	2	5500	24.5
GFNVVNMSKGEDYQWRNGSC	2291.5	6.06	2	2	6990	29
GRATMWENNPNDIQRFTGSC	2297.5	6.06	2	2	5500	24.5
GTGQENQTKIKDQNVSGSC	2107.2	6.06	2	2	0	53.5
ILKQVETVNQLRNPDIQGSC	2255.5	6.06	2	2	0	107
KIWKYFEVYAWTPMNDGSC	2425.7	6.06	2	2	13980	39
KPEWYRDFSTQTMQPIIGSC	2371.6	6.06	2	2	6990	19.5
KWIPLRIYLFTMTADFGSC	2391.8	6.06	2	2	6990	83
LDILNNSTAERWKMSNGGSC	2196.4	6.06	2	2	5500	63.5
LDLNRAFTGQYNQRPEGGSC	2226.4	6.06	2	2	1490	44
LTPFMLWQFETDKFMIKGSC	2422.9	6.06	2	2	5500	58.5
NIDSYTSPSKAWTETYKGSC	2238.4	6.06	2	2	8480	24.5
PEPGSEGRHVKEKMVHEGSC	2193.4	6.06	4	3	0	29
QIVRKFSSELMODYNWILGGSC	2359.7	6.06	2	2	6990	92.5
QQYVEGMYKYDIRWNVLGSC	2452.7	6.06	2	2	9970	68
QRTNGADMWVAQERAWSGSC	2253.4	6.06	2	2	11000	29.5
QYASSGWKYNNKGDEIMGSC	2238.4	6.06	2	2	8480	24.5
QYPLTSFKMWMEZRQGDGSC	2351.6	6.06	2	2	6990	19.5
RLPMEPAPFTDFFKSWGSC	2329.7	6.06	2	2	5500	44
RMGANLGGYWKWSEDNAGSC	2202.4	6.06	2	2	12490	29.5
WIPPKPKMNTDEITLFLGSC	2290.7	6.06	2	2	5500	78
WNWSDIWKAQFATRENMGSC	2430.7	6.06	2	2	16500	29.5
WQYLNQGVSFDIWKVPRGSC	2384.6	6.06	2	2	12490	68
YMKPPMDEFNISTKSSAGSC	2193.4	6.06	2	2	1490	24.5
YSWDAINWRGKAYPVETGSC	2303.5	6.06	2	2	13980	44
ATFVAKDLAPSNKDKGGSC	2024.2	6.07	3	3	0	49
ANSMYDKDVLGDQRSKLGSC	2187.4	6.07	3	3	1490	58.5
VDDEPQIKYALKMKLFAGSC	2256.6	6.08	3	3	1490	83
VKKAPDPWDVEYPKSLPGSC	2216.5	6.08	3	3	6990	53.5
VQMEADTKKWAKIQDQGGSC	2223.5	6.08	3	3	5500	44
EGNGWSGVNNGNLFPRQGGSC	2036.1	6.09	1	1	5500	34
EGYYLPNIFYVANRLVNGSC	2292.5	6.09	1	1	4470	92.5

ETFMQYTMQAAVARNGPGSC	2162.4	6.09	1	1	1490	29.5
EVFNGFAYGFVPIFYRNGSC	2287.5	6.09	1	1	2980	53.5
EYGSTMYNFPIITGGRYGSC	2216.4	6.09	1	1	4470	39
VDNAKAWQDVLSKEPRIGSC	2216.5	6.09	3	3	5500	78
ESNWWSYSKFSVATMSFGSC	2304.5	6.09	1	1	12490	19.5
AAEMTIPFILDKQFKPWGSC	2282.7	6.1	2	2	5500	68.5
AALDTGELKTAKTTVLLGSC	1992.3	6.1	2	2	0	107.5
AFEFKYTYMNNDSGTKQGSC	2291.4	6.1	2	2	2980	5
AMYVKESYKQYIDWWFWGSC	2590.9	6.1	2	2	20970	39
AVKALAVTTTAKLETSDGSC	1966.2	6.1	2	2	0	88
DQVLFRMSDKYRSLENMGSC	2379.7	6.11	3	3	1490	53.5
DTTKISQWWNRSEDFKGGSC	2402.5	6.11	3	3	11000	19.5
GTIIRTQASDPLKDEGGSC	2076.3	6.11	3	3	0	63.5
GVASELDSNDWAKYRAKGSC	2157.3	6.11	3	3	6990	49
IVPDVLLRRLGQKNDMEGSC	2243.6	6.11	3	3	0	107
KPFFFSEKWSDDYIKFWGSC	2517.8	6.11	3	3	12490	19.5
KSSYTRMESDPAFIDKIGSC	2235.5	6.11	3	3	1490	44
KVFEDNDNNVPYPINKRGSC	2309.5	6.11	3	3	1490	48.5
LYDGNKRENKFATDQSLGSC	2246.4	6.11	3	3	1490	44
LYETWNPLKSFKRDWQDGSC	2473.7	6.11	3	3	12490	39
NDKSDYNKTFGMPKMYEGSC	2315.5	6.11	3	3	2980	0
NDYIVNVQKEKPRLMDQGSC	2337.6	6.11	3	3	1490	68
NGRKRLSSDDEPWVGQNGSC	2205.3	6.11	3	3	5500	34
NKSLKWQELSDSWTIKDGSC	2325.5	6.11	3	3	11000	58.5
RASWTYSWWRVTDLRDEGSC	2474.6	6.11	3	3	17990	39
RYDTEWDMLWTTMARWKGSC	2536.8	6.11	3	3	17990	24.5
VEEQTQTWWIRPQAMLKGSC	2391.7	6.11	2	2	11000	58.5
VGTAPMNRGPRSNGELEGSC	2032.2	6.11	2	2	0	39
VIEMASTPWYYQRGSKEGSC	2292.5	6.11	2	2	8480	39
VNTSVLWEPRVMLYEPRGSC	2336.7	6.11	2	2	6990	82.5
WALDNFTRKLRMEDVYVGSC	2403.7	6.11	3	3	6990	73
WQKIGRAMDERMPSDNQGSC	2309.5	6.11	3	3	5500	24.5
WQRFQRIVAEDKMMDLLGSC	2426.8	6.11	3	3	5500	78
WSTGGRDVRDMEIYGRLGSC	2258.5	6.11	3	3	6990	53.5
ANWFKFMVQDQFWFETRGSC	2527.8	6.11	2	2	11000	19.5
ARWPGANWAVEDPKFTFGSC	2239.4	6.11	2	2	11000	29.5
DQFNAKTDLQSRLLIEKGSC	2266.5	6.11	3	3	0	83
KQWWNKDIPDKYAYSEMGSC	2449.7	6.11	3	3	13980	24.5
VLYEWRENAQSGAWLQKGSC	2325.5	6.11	2	2	12490	63.5
VPSYQNQTTKKFASEETGSC	2205.3	6.11	2	2	1490	19.5
VWGRPPESLRLEPLSGVGSC	2139.4	6.11	2	2	5500	87.5
WNGRIKERQDGAQFQDQGSC	2323.4	6.11	3	3	5500	24.5
YTRAKDFVKIFGDVAEQGSC	2234.5	6.11	3	3	1490	58.5
RLILDADSGIERVMRGLGSC	2161.5	6.12	3	3	0	117
ADKDDSDKAKWYGAKNPGSC	2156.3	6.13	4	4	6990	15
KEYFWMVGNYNQWEVKFGSC	2515.8	6.13	2	2	13980	29
KLVFFKWVEMEVGQWVYGSC	2435.8	6.13	2	2	12490	77.5
KNETEINKVMPYLWMWLGSC	2442.8	6.13	2	2	12490	73
KNWEYVGSSGYELQRPWGSC	2346.5	6.13	2	2	13980	34
KTFKSEPAYNIESNSSTGSC	2150.3	6.13	2	2	1490	24.5
KTGSNYREVVMENYFGNGSC	2255.4	6.13	2	2	2980	29
KWTSWPNANEYAKEVMAGSC	2272.5	6.13	2	2	12490	29.5

KYMAEINQFILMEPTKGGSC	2260.6	6.13	2	2	1490	63.5
LNRYWYITPVSGEKEWVGSC	2387.6	6.13	2	2	13980	68
NGFYNEMVVERYNSGTKGSC	2255.4	6.13	2	2	2980	29
NPMEKWAEISSYNFYQKGSC	2382.6	6.13	2	2	8480	24.5
QEYWIIMVIKTLYGMEGSC	2392.8	6.13	2	2	8480	92.5
QGLATYQSEIVKMEVIKGSC	2184.5	6.13	2	2	1490	92.5
QMLTYPTKFGEWRYPESGSC	2380.6	6.13	2	2	8480	19.5
WLAAQAIEESTNKYPKQGSC	2224.4	6.13	2	2	6990	54
YEPNGQQYREYTGWMIRGSC	2438.6	6.13	2	2	9970	19.5
YTGMEFLKLTMTWENYKGSC	2402.7	6.13	2	2	8480	39
KNYINGMPQMTWEEPKSGSC	2300.6	6.13	2	2	6990	19.5
NIMKPSPITYKENNYEQGSC	2316.5	6.13	2	2	2980	39
FIIRGNQVRQAQAEVMEGSC	2236.5	6.14	2	2	0	78
FKSERAQIIMSGEVAIMGSC	2157.5	6.14	2	2	0	83
GEQLTEYIRIKIVLFGSC	2299.7	6.14	2	2	1490	126.5
GNGKRWNIMLIGFVEEGSC	2296.6	6.14	2	2	11000	73
IQEWSNMVIWQETYRKIGSC	2471.8	6.14	2	2	12490	73
KVLRATTVVELETLGAGSC	2046.4	6.14	2	2	0	126.5
LAQMLWPMRQMEEIRVTGSC	2379.8	6.14	2	2	5500	78
LGAKVEVKLAAGVGTETGSC	1890.1	6.14	2	2	0	97.5
LIEFQARVWWKFISYMEGSC	2493.9	6.14	2	2	12490	78
LMVWEIIVEVFRAMPPRGSC	2333.8	6.14	2	2	5500	107
LRIMESGPMALIQMMKEGSC	2225.7	6.14	2	2	0	83
LRVMKLLTQMLLWGEPGSC	2304.8	6.14	2	2	5500	112
NEQKPPQELPAMAYWTRGSC	2306.6	6.14	2	2	6990	29.5
NFQTQEYVSKQERPLSMGSC	2332.5	6.14	2	2	1490	34
NFRTEFMPSINKNELAVGSC	2257.5	6.14	2	2	0	58.5
NRFVEEVMITPVYINRGGSC	2284.6	6.14	2	2	1490	82.5
QMSEAITFPVFYIEQRKGSC	2334.6	6.14	2	2	1490	58.5
QQWRTINVRMSTYAEYGGSC	2422.6	6.14	2	2	8480	39
RLRSMNEIFTNYMAELYGSC	2398.7	6.14	2	2	2980	63.5
RSIKSIMMSLEIMEIFLGSC	2288.8	6.14	2	2	0	117
RTESPSQGTLEVWLRVMGSC	2236.5	6.14	2	2	5500	68
YLITREMQWTEKAWMGMGSC	2421.8	6.14	2	2	12490	44
YRPGSQEGAQQSEWGKQGSC	2183.3	6.14	2	2	6990	5
VAPDKMGYYFEKTKFFEGSC	2347.6	6.14	3	3	2980	19.5
EKVWDTYQPIWAFYKIWGSC	2520.8	6.15	2	2	19480	58.5
KRRALFKTTDEYYDPWDGSC	2451.7	6.15	4	4	8480	24.5
VEDGRRKQLFEMNYWQTGSC	2447.7	6.15	3	3	6990	34
VEMVWQAFDWTKRSEMRGSC	2446.8	6.15	3	3	11000	34
VPEKSQDARILKEMAGFGSC	2166.5	6.15	3	3	0	63.5
ADPREFDLNYRTLSTRQGSC	2329.5	6.16	3	3	1490	44
AERDWYRYDAMRQAVSLGSC	2377.6	6.16	3	3	8480	49
DYQTDWTDYKSRSRSERGSC	2440.5	6.16	4	4	8480	0
EADVWLPTLRYNLKWLTGSC	2365.7	6.16	2	2	12490	97.5
EDPLRPMPVGNSNYMRFGSC	2270.5	6.16	2	2	1490	34
EDWKGLNAAKNILGVTYGSC	2139.4	6.16	2	2	6990	83
ELIAFRDFNWRGGVVAGGSC	2154.4	6.16	2	2	5500	78
EVMLVIDIKSAYATQRFGSC	2231.6	6.16	2	2	1490	97.5
EWYYDPRGGTGSFYMRTGSC	2333.5	6.16	2	2	9970	0
FDFNTWWRRYDMEDLRRGSC	2653.9	6.16	4	4	12490	19.5
LTDTTEDKPSYLFRKRDGSC	2332.5	6.16	4	4	1490	39

RDGVLRRRYSDELQWNGSC	2425.6	6.16	4	4	6990	53.5
EFLDYRKFPMMSVIFAAGSC	2312.7	6.16	2	2	1490	63.5
FKDVVIGRDDARERGNGGSC	2151.3	6.16	4	4	0	53.5
IEDDPNRPTMRIRVGDKGSC	2259.5	6.16	4	4	0	53.5
FSDMGLEKNREPQPRTGGSC	2209.4	6.17	3	3	0	19.5
GVEGRQVDVPRKEMVWNGSC	2246.5	6.17	3	3	5500	58
IAEKYGEVKPDLNRNIMGSC	2237.5	6.17	3	3	1490	78
INFERDIWVQWSKSERGSC	2453.7	6.17	3	3	11000	73
KPMYDEKVTTGPWYGERGSC	2304.5	6.17	3	3	8480	14.5
NRTADQSWYLAEEKVKMGSC	2316.5	6.17	3	3	6990	44
QQRGEREGMMMGITKDTGSC	2215.5	6.17	3	3	0	19.5
RAIQRFPTYTIEDRVEAPGSC	2308.6	6.17	3	3	1490	63.5
RLSEEMGMYFTRTPRDWGSC	2422.7	6.17	3	3	6990	19.5
RNAYRFLDLEAPYIYKGSC	2408.7	6.17	3	3	4470	68.5
RWVETESMFDNQSIKSRGSC	2360.6	6.17	3	3	5500	34
WEIDNSKRYKVTFYIEGSC	2501.8	6.17	3	3	9970	53.5
WGYAKVEDWLKFETTRAGSC	2347.6	6.17	3	3	12490	44
WKDIEIWLAVIMARKEGSC	2305.7	6.17	3	3	11000	102.5
WLYMKTGSPREEDQRNIGSC	2370.6	6.17	3	3	6990	39
WRLLWLQRGEKFQEIWDGSC	2550.9	6.17	3	3	16500	78
YDQEYWFKRPYSRSEFFGSC	2595.8	6.17	3	3	9970	0
YKRRQDSAETPPMVQFEGSC	2329.5	6.17	3	3	1490	19.5
KVEWDFYQVPRSTWLREGSC	2486.7	6.17	3	3	12490	48.5
NGVADEEKTMRVKMIGMGSC	2156.5	6.17	3	3	0	53.5
THPHGARFDSMSWWWDHGSC	2400.5	6.17	2	1	16500	5
WERYDYRMFEAARLSIQGSC	2481.7	6.17	3	3	8480	49
AKILFEAITEVAMFRAYGSC	2220.6	6.18	2	2	1490	93
ARINIWLWSEEQLARTLGSC	2346.6	6.18	2	2	11000	107.5
ASNTESWWQNKGWRESGSC	2300.4	6.18	2	2	16500	5
TYFFTHAFWYHPHYLEGSC	2507.7	6.18	1	0	9970	24.5
AEQKMPSPPENYRFLYAGSC	2288.5	6.18	2	2	2980	29.5
AEVYIPWFLVGNKKMEWGSC	2357.7	6.18	2	2	12490	73
GEDLQFAFPEIRRWISIRGSC	2367.6	6.18	3	3	5500	63.5
VRPRDENKEGLMLVQDRGSC	2302.6	6.18	4	4	0	68
WIRQINEFDVRGETPRSGSC	2350.5	6.18	3	3	5500	53.5
SHYFYQPHTPLEMLTLHGSC	2361.6	6.19	1	0	2980	58.5
THPFHEKSIHAANPEITGSC	2176.3	6.19	2	1	0	49
TIIPSWPKQEPHHETHTGSC	2285.5	6.19	2	1	5500	39
VFPEGFRAENKILQKPEGSC	2249.5	6.19	3	3	0	58.5
MQMHYLFHWGLHADYPVGSC	2392.7	6.2	1	0	8480	58.5
SASHEGLLQRAHHEWATGSC	2177.3	6.2	2	1	5500	54
SWNFYTQHDPHVHEKFLGSC	2432.6	6.2	2	1	6990	34
DSREWMDTFKKPSVKELGSC	2343.6	6.21	4	4	5500	34
ELGALKTDATAKASGVKGSC	1951.1	6.21	3	3	0	68.5
ESSAKKTYRTDNGVDQYGSC	2209.3	6.21	3	3	2980	19.5
GREVTGLWKARDKSDVEGSC	2193.4	6.21	4	4	5500	53.5
LRDFPEWLLERNPQDRRGSC	2487.7	6.21	4	4	5500	58.5
MWHMGTHKGDGMDKVHDGSC	2229.5	6.21	3	2	5500	14.5
PKWTDVPVNSAWITVNSGSC	2225.4	6.21	1	1	12490	53.5
PSLVNGGWQTAYKYWDLGSC	2245.4	6.21	1	1	13980	58.5
PVSQQAYARYMQMQANDGSC	2248.4	6.21	1	1	2980	29.5
PYGTPRIQYSDPPLWYPGSC	2297.5	6.21	1	1	9970	39

KFTKTEGSDMERPDLRSGSC	2244.4	6.21	4	4	0	19.5
PGGALYYSTITDRGVASGSC	1975.1	6.21	1	1	2980	63.5
ARNRREEFGVSL LAVDLGSC	2192.4	6.22	3	3	0	97.5
ILKEIVEELLMPQQRKAGSC	2254.7	6.22	3	3	0	117
IPLRVRQEMTSWKTLEEGSC	2363.7	6.22	3	3	5500	73
NRAMENRLGNGKEEIAVGSC	2148.4	6.22	3	3	0	63.5
PAFTIFTMMSPGVRFYDGSC	2227.6	6.22	1	1	1490	39
PVMNNDFLMKFWVAMMGSC	2407.9	6.22	1	1	11000	53.5
REQMAYTFMEKQE QSWKGSC	2467.7	6.22	3	3	6990	5
RERGGSLWGT RTGEEGSC	2138.3	6.22	3	3	5500	39
RLEPPKQENVREWMGVIGSC	2328.6	6.22	3	3	5500	68
RPAEIQSRKPEENAQAPGSC	2168.3	6.22	3	3	0	34.5
WFNERKRAQLYEVGEFTGSC	2420.6	6.22	3	3	6990	39
YKNSREMGMEWKNPEFQGSC	2421.7	6.22	3	3	6990	0
YQLPENGLVKIMEKERAGSC	2265.6	6.22	3	3	1490	78
AWKREVQGMYWMALEDKGSC	2388.7	6.22	3	3	12490	44
KGGEYTPFLEK RTEAVYGSC	2235.5	6.22	3	3	2980	39
PADSMSTMVRTGNAWNSGSC	2072.2	6.22	1	1	5500	24.5
PSPDWPNQQMFNYPRNMGSC	2369.6	6.22	1	1	6990	0
RWLRGWEEVGKGYWNPEGSC	2409.6	6.22	3	3	17990	34
EARGPKLNQGVSYTEWLGSC	2195.4	6.23	2	2	6990	58.5
EGSKIQFEWWPGANKVAGSC	2194.4	6.23	2	2	11000	44
EIVQAREPRGNYSMGWNGSC	2254.4	6.23	2	2	6990	39
EKLIEKVTQTGVAQAYGGSC	2082.3	6.23	2	2	1490	78
ELTEAYSWVYVKFSTKIGSC	2311.6	6.23	2	2	8480	73
EMLFWTKLAWGYRTSSEGSC	2352.6	6.23	2	2	12490	44
ENAKLYLKWAPLYWAENGSC	2356.6	6.23	2	2	13980	73.5
EQEYTKWWFLITFSTRWGSC	2568.8	6.23	2	2	17990	39
EQTKPISALQEVKVLPGWSC	2213.5	6.23	2	2	5500	92.5
ERIVTPQELKMMYGQNIGSC	2297.6	6.23	2	2	1490	73
ESREPINLYWSISSKALGSC	2240.5	6.23	2	2	6990	83
EYEIFIRSMAGNPTRTAGSC	2203.4	6.23	2	2	1490	49
EQYTRKIAYMLQEMFMIGSC	2442.9	6.23	2	2	2980	63.5
EVVAWLEWSKTAVMNRPGSC	2263.6	6.23	2	2	11000	73
DKHHFNQLHQMVAIWQDGSC	2394.6	6.25	2	1	5500	58.5
EDRFFMNDIKDRSMRFTGSC	2455.7	6.25	4	4	0	19.5
FHGHFHIGFDSTTQYYYSGSC	2307.4	6.25	1	0	4470	19.5
FWHGMYYYYGHTADFHYIGSC	2455.7	6.25	1	0	11460	24.5
GGHLYVDQHMWHLQWVLGSC	2366.7	6.25	1	0	12490	87.5
GHHVTFQHNMQAMNDLTGSC	2228.4	6.25	1	0	0	39
GNDIQHHGQRWHATMDGGSC	2207.3	6.25	2	1	5500	24.5
HFFFFHYNIDWPFTYMHGSC	2596.9	6.25	1	0	8480	19.5
HYISDHSWPPLPHMATYGSC	2299.5	6.25	1	0	8480	44
NRELETILRINKDENFKGSC	2379.6	6.25	4	4	0	78
NWKWWWNSHHHGYSDDSGSC	2489.5	6.25	2	1	23490	0
QHDHTNQYTSNNHTTYQGSC	2336.3	6.25	1	0	2980	0
QLHHWMSSDWAGPFQHV GSC	2310.5	6.25	1	0	11000	39
RGEQSIRAF LKRSDEELGSC	2281.5	6.25	4	4	0	63.5
VFWWSAESTFSHPYHHGSC	2428.6	6.25	1	0	13980	19.5
VGWTHAPMDVMHFHVISGSC	2211.5	6.25	1	0	5500	68
VHAASEFFFFQSIHPVHFGSC	2247.5	6.25	1	0	0	58.5
VHVTVP TDVWTPFTQHHGSC	2248.5	6.25	1	0	5500	58

WHHMDAILDHLNLWRVGSC	2390.7	6.25	2	1	11000	97.5
WYARHPMDVPYLHDLHGGSC	2354.6	6.25	2	1	8480	58.5
YLDNPYHPSFVMSHYNHGSC	2368.5	6.25	1	0	4470	34
DVDAGHFGRPFYVHYHGGSC	2221.3	6.25	2	1	2980	34
HHPRQVAYINTSYGDDHGSC	2257.3	6.25	2	1	2980	39
HYDYNVHGVWTWALHALPGSC	2240.4	6.25	1	0	8480	78
KDKESESEQWYKQIFKGSC	2462.7	6.25	4	4	6990	19.5
KTIHYFFHAHGMDDNPWGSC	2363.6	6.25	2	1	6990	24.5
QATGIPIDYMSHMDHKHGSC	2228.5	6.25	2	1	1490	44
VRMAIDQNQHHDYTFGSC	2372.6	6.25	2	1	1490	58.5
VYGYHNHNMADPLQHHPLGSC	2302.5	6.25	1	0	4470	58.5
WDAFWVHAHPYVHQNLGSC	2395.6	6.25	1	0	12490	58.5
DGEHIQQAYARGVNMHHGSC	2210.3	6.26	2	1	1490	44
DSHARHVVLPHYDQHDSKGSC	2251.4	6.26	3	2	1490	53.5
FHDLETGRHHNNWNWASGSC	2368.4	6.26	2	1	11000	24.5
GWFEQYTHFALMHASFHGSC	2356.6	6.26	1	0	6990	29.5
GWFSNLSTFIHLHYHELSC	2348.6	6.26	1	0	6990	78
HANRHQEPQHSMYDVPSGSC	2280.4	6.26	2	1	1490	19.5
HHNFKGPAFGHANDIMEGSC	2169.3	6.26	2	1	0	29.5
HNGPPVHHVYEWFGWAWGSC	2366.6	6.26	1	0	17990	34
HNVKVTDEMHPMVWHFNGSC	2368.6	6.26	2	1	5500	43.5
HVMFDHKKLYDQFDPKYGSC	2467.7	6.26	3	2	2980	34
HWTGHWYWPETSHALGYGSC	2352.5	6.26	1	0	15470	24.5
HYEGFHRTGNYEGNFTHGSC	2313.4	6.26	2	1	2980	0
HYVIFTDVGKWQHESTHGSC	2331.5	6.26	2	1	6990	48.5
IPYSHVYKGEDNPTLHHGSC	2254.4	6.26	2	1	2980	53.5
ISIYFEWWYHVPGFVHHGSC	2464.7	6.26	1	0	13980	68
LDTELHSNSHHRWQPWLSC	2403.6	6.26	2	1	11000	58.5
LFKEHVHPDHQTYFNWSGSC	2432.6	6.26	2	1	6990	34
LHSEHNPHERSFVVVTGSC	2249.4	6.26	2	1	0	63
LMELFYPGNAHHMHQLPGSC	2282.6	6.26	1	0	1490	63.5
LMNHWYHLFNFMHEVWVGSC	2615	6.26	1	0	13980	53.5
LPKMIINHDSQTEHQHSGSC	2303.5	6.26	2	1	0	58.5
NNSAHFVWVEHFKELFHGSC	2388.6	6.26	2	1	5500	53.5
NSEWVAENGTVHSRVHHGSC	2206.3	6.26	2	1	5500	48.5
QEDHHRAPVNHVVMTSNGSC	2218.4	6.26	2	1	0	48.5
QKYGIDLQEAHLMHPHIGSC	2277.6	6.26	2	1	1490	83
QSGELGSKHGYYTHHNEGSC	2115.1	6.26	2	1	1490	19.5
QVDSQIEHYVHVKPHFMGSC	2341.6	6.26	2	1	1490	63
VHIHAYQAYHQEDLMKAGSC	2301.5	6.26	2	1	2980	68.5
VMNWFGEHLLHWGHQDRPGSC	2393.6	6.26	2	1	11000	34
VYHAQFDSREANNMHHLGSC	2316.5	6.26	2	1	1490	44
WENAIWLSHYHHPEKNLGSC	2421.6	6.26	2	1	12490	63.5
WWGSGNHSHDIWRPGHEGSC	2305.4	6.26	2	1	16500	19.5
WYGKEAWYTYDIIHNGGSC	2424.5	6.26	2	1	15470	24.5
YTGWHHIGQEVWNMLHTGSC	2356.6	6.26	1	0	12490	53.5
FALHVVHHGSDDNFKRDGSC	2305.4	6.26	3	2	1490	39
HWWHTPRNQEHILYESSGSC	2467.6	6.26	2	1	12490	39
HYAHVAEAWIGTHVNMNGSC	2197.4	6.26	1	0	6990	63.5
ITHSFEHRYWHNIYYDAGSC	2499.7	6.26	2	1	9970	44
WGRDWHFHQDRDSHVALGSC	2409.5	6.26	3	2	11000	39
WNIHERHRFDQPYDYGHGSC	2517.6	6.26	3	2	8480	19.5

WNNHIEHTADWHVIKTMGSC	2379.6	6.26	2	1	11000	58.5
ARAVQHEDYAKSLHHD TGSC	2225.3	6.27	3	2	1490	49
EEGRYNKILIQPSPVRDGSC	2261.5	6.27	3	3	1490	73
EGMDRPIEMNKS KMGT LGSC	2184.5	6.27	3	3	0	39
EIDEFKYRAKWL MFFVYGSC	2532.9	6.27	3	3	8480	58.5
ELTLTALKVKDEKAAVSGSC	2063.3	6.27	3	3	0	102.5
ENRSVTEGKPWNQVDRWGSC	2348.5	6.27	3	3	11000	29
ERKIFWPMYMAEPDPWRGSC	2499.9	6.27	3	3	12490	24.5
ETMQHHDLN QKHLLDPRGSC	2359.6	6.27	3	2	0	58.5
EVNRFKWDYIWNQVNEKGSC	2515.7	6.27	3	3	12490	48.5
HSVWKHTRIVEDHEYFLGSC	2443.7	6.27	3	2	6990	68
KQHKR DYDDSTENHSHTGSC	2345.4	6.27	4	3	1490	0
LQEGHARVHIEINEHKY GSC	2320.5	6.27	3	2	1490	78
WDKFAMESTTYEH HKHPGSC	2391.6	6.27	3	2	6990	5
EDQLAKSIFREMPFRFAGSC	2332.6	6.27	3	3	0	49
KHEESDRHTTHKEQESRGSC	2381.4	6.28	5	4	0	0
EHYDPPHGHPRQASEARGSC	2231.3	6.28	3	2	1490	10
HERHEHRKEEQAINFWTGSC	2494.6	6.28	4	3	5500	24.5
PSMQHLEAVVHWHLTVLGSC	2244.6	6.28	1	0	5500	107
EHSREHDYKSSEKSQSHGSC	2318.3	6.29	4	3	1490	0
PFVREAHQPFRHDDHWWGSC	2507.7	6.29	3	2	11000	19.5
PMAMW HHERIGYQHEPTGSC	2367.6	6.29	2	1	6990	24.5
PHASRELTPVHVHMERD GSC	2258.5	6.3	3	2	0	53.5
ELEGFTTARQKLYERYGGSC	2308.5	6.31	3	3	2980	44
EMWVFRAPNEEA AKRGAGSC	2209.4	6.32	3	3	5500	34.5
PDGAMQT NKMKA WYQVDGSC	2230.5	6.33	2	2	6990	24.5
PGSPKDQKLMDYFVQFVGSC	2246.5	6.33	2	2	1490	48.5
PYFIFAWDKLRFDQYTTGSC	2458.7	6.33	2	2	8480	44
PDGVKWGPGFTFQSM DRGSC	2172.4	6.34	2	2	5500	14.5
ESSPKLEEGRNAARDRG GSC	2119.2	6.34	4	4	0	29.5
MHAHNPLYIHLN YLDHPGSC	2332.6	6.36	1	0	2980	83
DHNRENHHSN HKHHEEHGSC	2441.4	6.37	4	2	0	0
PYFTYPVMERGM PNYQGGSC	2297.6	6.37	1	1	4470	14.5
PYPLQYLYVEGARMGVWGSC	2289.6	6.37	1	1	9970	73
EKGELLG EKEWKRGSLGSC	2219.5	6.38	4	4	5500	78
ELKTLLRERGWEGKTEGGSC	2249.5	6.38	4	4	5500	58.5
PEVIVRFAFTQWAFYYTGSC	2385.7	6.38	1	1	8480	58.5
PMAMFAPVPNESLKSVLGSC	2078.4	6.38	1	1	0	78
PTILQYAMPIKENATQPGSC	2162.5	6.38	1	1	1490	68.5
PYTSRAFGFAMEGGPWYGSC	2184.4	6.38	1	1	8480	10
PIQPEQIVMLILVITKAGSC	2153.6	6.38	1	1	0	151
PNYMAMVAIVPFEFNFRGSC	2293.7	6.38	1	1	1490	58.5
PMESTNFFWRANWSPAMGSC	2319.6	6.39	1	1	11000	10
TDNMWSSRNHAGAPQYVGSC	2181.3	6.4	1	1	6990	24.5
TDTLQMIHTRIPNNIINGSC	2241.5	6.4	1	1	0	97.5
TFLHDNIFPYRVFGFTSGSC	2308.6	6.4	1	1	1490	53.5
TGQWRMIPNLGVWPDHWGSC	2340.6	6.4	1	1	16500	53.5
THFLIVFFWVDGLYRQLGSC	2401.8	6.4	1	1	6990	107
TIPAHNIFWILYFSIGTGSC	2240.6	6.4	0	0	6990	102.5
TKTQHMIWTPSADLYMIGSC	2283.6	6.4	1	1	6990	63.5
TLLMIWDYWPHGITIKTGSC	2335.7	6.4	1	1	12490	97.5
TMQDNNAVNSHGRQYTNGSC	2197.3	6.4	1	1	1490	19.5

TMWFSAYWATTFTHVRDGSC	2367.6	6.4	1	1	12490	24.5
TNATWHYYSINLMYQAQGSC	2351.5	6.4	0	0	9970	49
TPHQGMKGITGYAAPFDGSC	2038.2	6.4	1	1	1490	29.5
TRQLAPYFDWHNYSIAIGSC	2342.6	6.4	1	1	8480	68.5
TSYSPLHPNFPGWQANLGSC	2176.3	6.4	0	0	6990	44
TYSFHRDSAINNISLIGSC	2199.4	6.4	1	1	1490	83
TADFNTMIWRWIPVGPHGSC	2288.6	6.4	1	1	11000	58.5
TVMHPTLRLLNSINDIQGSC	2212.5	6.4	1	1	0	112
TWFWMPMYHQAAQIPMYGSC	2448.8	6.4	0	0	13980	29.5
TAHYWFEKDRPGMNGSNGSC	2257.4	6.41	2	2	6990	5
TETMMQSNIPFHKPAMAGSC	2181.5	6.41	1	1	0	29.5
TFFPYKAIMTEDHKPAWGSC	2329.6	6.41	2	2	6990	29.5
THAGFLEVTVYTWFNARGSC	2259.5	6.41	1	1	6990	58.5
THEALYNMWTLSGKTWNGSC	2299.5	6.41	1	1	12490	44
THKGRWDTVEYYYWMTVGSC	2482.7	6.41	2	2	15470	29
THLMEAWAQSSFRAATMGSC	2185.4	6.41	1	1	5500	39.5
THQFLYAYRLNQELWNNGSC	2457.7	6.41	1	1	8480	63.5
TIHEYWSSISPKNWMMQGSC	2385.7	6.41	1	1	12490	39
TITEKWPMHTATGAVYFGSC	2200.5	6.41	1	1	6990	44
TLQPPRMRHAQLYWDEPGSC	2385.7	6.41	2	2	6990	44
TMLHGGLFTPETVRNILGSC	2146.5	6.41	1	1	0	92.5
TPFFVGYWWHLNKAQEQGSC	2371.6	6.41	1	1	12490	39
TTDKSMSPMSDAPNVHRGSC	2121.3	6.41	2	2	0	19.5
TVFMHIVWYWKVEWWMGSC	2546	6.41	1	1	23490	63
TVSIIELTVLWYHQWNRGSC	2405.7	6.41	1	1	12490	107
TYIFAHKFPPWEITMTSGSC	2316.6	6.41	1	1	6990	44
TYSTKNEKHFSNAGDYGSC	2240.4	6.41	2	2	2980	5
TAFYRTLTKHEVDPGIAGSC	2166.4	6.41	2	2	1490	63.5
TLYAVKTNQPAVRPHEDGSC	2186.4	6.41	2	2	1490	58.5
TRFSWHAMNVPGEKNWMGSC	2267.5	6.41	1	1	11000	19.5
TTMISPYGKGHWEMMFVGSC	2262.6	6.41	1	1	6990	34
TWGHIWNPRQPLQWGEYGSC	2415.6	6.41	1	1	17990	39
EGEKTEGKKSKGEKEKTGSC	2069.2	6.42	5	5	0	0
GSSMHHHPLWPTPEPHTGSC	2195.4	6.42	1	0	5500	19.5
HEDQMVAHKIAAQSNHHGSC	2200.3	6.42	2	1	0	49
HEIMLHQHPHMPEGFNRGSC	2357.6	6.42	2	1	0	39
HGRIHNFEMDHFHIWAGSC	2441.7	6.42	2	1	5500	44
HHAISIMHHQFVQSWDPGSC	2317.5	6.42	1	0	5500	58.5
HHMFMMEWMMWSALHPGHGSC	2412.8	6.42	1	0	11000	24.5
HHYNDGQGIQHWLHAINGSC	2287.4	6.42	1	0	6990	63.5
HIEMRGQVMHDHWWWHTGSC	2533.8	6.42	2	1	16500	34
HPHSFNAIVGPEHWHQMGSC	2271.5	6.42	1	0	5500	39
HTDFYHIGYNKAMHENHGSC	2361.5	6.42	2	1	2980	24.5
KHWRTHHSEDGQSSPDHGSC	2288.3	6.42	3	2	5500	0
LHHQQWYMPWEHIGLHSGSC	2446.7	6.42	1	0	12490	58.5
NSHTHMSHAIYHDWMNGGSC	2285.4	6.42	1	0	6990	24.5
TFVHMAENFMENARRAGGSC	2228.5	6.42	2	2	0	29.5
TLHTKFFYSSQIEKELMGSC	2349.7	6.42	2	2	1490	58.5
VTEFHHGLLHVMKHVMEGSC	2291.6	6.42	2	1	0	82.5
THKVEMYDTWRSTKFDQGSC	2419.6	6.42	3	3	6990	14.5
TQNKSEKESVHMQYFIMGSC	2347.6	6.42	2	2	1490	34
YHFTSHRLDAWHMADAHGSC	2342.5	6.42	2	1	6990	34.5

TIKWPKEPPDFNHRGEPGSC	2295.5	6.43	3	3	5500	19.5
EGPIHKNMHYIPFEHPHGSC	2330.6	6.44	2	1	1490	39
PEDMNKYGGPFGAKIMFGSC	2149.4	6.44	2	2	1490	24.5
PMDLTREKVMYYMGTGGSC	2302.6	6.44	2	2	4470	34
PMPSAKEMTKWDNWFFFGSC	2409.7	6.44	2	2	11000	5
PRGVQFATYQNDKGEANGSC	2142.2	6.44	2	2	1490	24.5
PRLAILYNYRDPVQEFQGSC	2369.6	6.44	2	2	2980	78
PSQVSVMWITEKNDTKSGSC	2197.4	6.44	2	2	5500	48.5
QEHHRRRRHEDEESHSSGSC	2431.5	6.44	5	4	0	0
PGSFKMSIFNDELYVIKGSC	2235.6	6.44	2	2	1490	73
PQKSEGQVDFYPATTSKGSC	2130.3	6.44	2	2	1490	19.5
PTVKEVMPYRYIMVDTQGSC	2317.7	6.44	2	2	2980	63
PLLMFTPHTDHGHTNHLGSC	2215.4	6.45	1	0	0	58.5
PMRYPNNEATTGDRGIGGSC	2096.2	6.45	2	2	1490	24.5
PTVGWKSDFLMEGGLVGSC	2139.4	6.45	2	2	5500	68
PVGEVSSDYNRGPWRGTGSC	2124.2	6.45	2	2	6990	29
SHYPNQTAQMSYNAAAGGSC	2058.1	6.45	0	0	2980	20
SNPQLYIIASYIWFHPYGSC	2359.6	6.45	0	0	9970	83
SVFAHSGNNQQAQNMVIGSC	2092.2	6.45	0	0	0	58.5
SYFFSWPLIYNWGPWWGSC	2446.7	6.45	0	0	19480	53.5
SMFMYNMMLNFFPHIYYGSC	2528.9	6.45	0	0	5960	39
PYHKHTEFHIQQYDHPLGSC	2437.6	6.46	2	1	2980	39
SAWFWIVLWLWWMPDKHGSC	2549	6.46	1	1	27500	78
SFLHFTRSSPMNWGSDGGSC	2173.3	6.46	1	1	5500	19.5
SFLSEVAWKMGHLLVYNGSC	2241.6	6.46	1	1	6990	92.5
SFTIDDKATIYIPQHKPGSC	2221.5	6.46	2	2	1490	63.5
SHILSDSAKQNVQLVILGSC	2112.4	6.46	1	1	0	131.5
SIWKAQTIVPNFASVDHGSC	2160.4	6.46	1	1	5500	78
SMGIEQIHQKPSNNIQLGSC	2184.4	6.46	1	1	0	78
SMTFMSRYTHDGMWISTGSC	2298.6	6.46	1	1	6990	19.5
SNAWYHYDKIVRDQNNFGSC	2417.6	6.46	2	2	8480	39
SNDQVVPMHQFPKQLAIGSC	2199.5	6.46	1	1	0	73
SNPPFNKPTIWHTSVEGGSC	2158.3	6.46	1	1	5500	34
SNTKDWMPMHWYVAGDRGSC	2341.6	6.46	2	2	12490	19.5
SNYVKHILQNPLNFEGLGSC	2233.5	6.46	1	1	1490	92.5
SPDATTHIRRLDAVWPQGSC	2210.4	6.46	2	2	5500	63.5
SPIARQIHWPSDAQMTSGSC	2172.4	6.46	1	1	5500	49
SRKDQHDMLSVSTNVYFGSC	2274.5	6.46	2	2	1490	48.5
SRLEQQHFATIPQIWYTGSC	2365.6	6.46	1	1	6990	63.5
SRLPSTGHWIMPFWVDVGSC	2275.6	6.46	1	1	11000	68
SRQDHVDLIVNTFKATQGSC	2219.4	6.46	2	2	0	73
SSQHRVWTMAILSYEQNGSC	2297.5	6.46	1	1	6990	58.5
STMGWRISHMFYDTIFYGSC	2402.7	6.46	1	1	8480	39
SVNIKHWYSFWEVNTGAGSC	2325.5	6.46	1	1	12490	53.5
SVNPFRLNFSPEHQMWPGSC	2333.6	6.46	1	1	5500	34
SHFGYRGPIVMEPPYAMGSC	2199.5	6.46	1	1	2980	39
SHPMAFIKFNEWSPTSSGSC	2213.4	6.46	1	1	5500	24.5
SKTPMENLAGVIWWPIHGSC	2226.6	6.46	1	1	11000	78
STTVMLAAMNNTENHRAGSC	2108.3	6.46	1	1	0	49
SWWAMFHWELVYKPQSMGSC	2473.8	6.46	1	1	17990	39
SYWTYIWHIRLGMFNADGSC	2420.7	6.46	1	1	13980	63.5
SFEQPMKSHARAEAPQPGSC	2158.3	6.47	2	2	0	15

SGHRRNGDMMMQSFWTEGSC	2317.5	6.47	2	2	5500	0
SHEGVKYLWGNVDGIKSGSC	2136.3	6.47	2	2	6990	68
SHNMLKNDTTWTPERTIGSC	2291.5	6.47	2	2	5500	39
SLIYWIMDHMKRELVFGGSC	2385.8	6.47	2	2	6990	92.5
SLWFKINIPRAEHLWSEGSC	2373.7	6.47	2	2	11000	83
SRELNMQHRFGMAWFIDGSC	2385.7	6.47	2	2	5500	44
SSELDFRKYSFYVHRPDGSC	2393.6	6.47	3	3	2980	34
SVHFEYKDWRIITLKFDGSC	2444.7	6.47	3	3	6990	73
SLEKLTEWFWLPHMKPTGSC	2390.8	6.47	2	2	11000	58.5
STLAHMSKDSSMQKTEGSC	2156.3	6.47	2	2	0	24.5
SWEHYAFSEMYPPRRVGSC	2465.7	6.47	2	2	9970	19.5
SWFYSTKEIDPLKGTHMGSC	2287.5	6.47	2	2	6990	39
SEGDTHWKNRFYWRENLGSC	2485.6	6.48	3	3	12490	19.5
SEHYIYERRRSNFWEFYGSC	2629.8	6.48	3	3	9970	19.5
SKEPKYYHDEGYYPYSGSC	2401.5	6.48	3	3	7450	0
MAHVMYPIVNQYWIVTMGSC	2343.8	6.49	0	0	8480	87.5
MFRQHDWANAPPGFWYYGSC	2433.7	6.49	1	1	13980	10
MGPLFLWMNHDIRWIINGSC	2403.8	6.49	1	1	11000	97.5
MHLFMDVNPNYFFMKMYGSC	2475.9	6.49	1	1	2980	34
MIWYRMVGNHDLSSPPQGSC	2278.6	6.49	1	1	6990	53.5
MMGTHVNDNMNINIMRNGSC	2252.6	6.49	1	1	0	53.5
MMPNMNDNFHYAMAGLRGSC	2260.6	6.49	1	1	1490	29.5
MMSPQDHTFPKWGLGWGGSC	2222.5	6.49	1	1	11000	19.5
MNDRYTLILPFGIHWIMGSC	2367.8	6.49	1	1	6990	97.5
MPYFQFVVFPHYFAQLSGSC	2368.7	6.49	0	0	2980	53.5
MQPANAMYQWLVVHNSQGSC	2264.5	6.49	0	0	6990	58.5
MTMMPIFTGHMRFDWAAGSC	2290.7	6.49	1	1	5500	29.5
MVHNLKWDQLVNSAPQIGSC	2240.5	6.49	1	1	5500	92.5
MWYHGIYIQWLALSQPVGSC	2352.7	6.49	0	0	13980	97.5
PPDKKYQTNRWVEFASDGSC	2328.5	6.49	3	3	6990	19.5
MFAHVQYNKSPWWIFNDGSC	2430.7	6.49	1	1	12490	39
MIFFDTHKNMFQITWIGSC	2433.8	6.49	1	1	5500	58.5
MPLHWMDKGFLIIPWVWVGSC	2416.9	6.49	1	1	16500	92.5
MTLHYSQPDQKSAWQVTGSC	2267.5	6.49	1	1	6990	39
MYSNHNGNYWAPMYTFFGSC	2390.6	6.49	0	0	9970	5
MDPQIYLRATHDQRAPGGSC	2216.4	6.5	2	2	1490	49
MDWNTYDNFQANLKAHKGSC	2343.5	6.5	2	2	6990	29.5
MHETISVLQFYGQRGWSGSC	2286.5	6.5	1	1	6990	53.5
MMYHAMESWWQVRWTTIGSC	2503.9	6.5	1	1	17990	39
MNMVIYFAENQPHSRGFGSC	2288.6	6.5	1	1	1490	39
MQISYNNGTPWHLEYRMGSC	2387.6	6.5	1	1	8480	39
MQKLFMAIWHFSSLEVFGSC	2361.8	6.5	1	1	5500	78
MQSNQQWWSHKQEVLNWSGSC	2464.6	6.5	1	1	16500	19.5
MQYSLYQVWHRVMQEIQGSC	2486.8	6.5	1	1	8480	68
MRQSMYFRDLQVEVHPNGSC	2397.7	6.5	2	2	1490	48.5
MTFHGYMVRGSRGDIIDGSC	2202.5	6.5	2	2	1490	53.5
MVAYHEMQKISWTYGNWVGSC	2391.7	6.5	1	1	13980	39
MWAILIRYHAVMALRDEGSC	2335.7	6.5	2	2	6990	107.5
MWSTDNARNATQNEHARGSC	2249.3	6.5	2	2	5500	15
MYANPAYIWTLYWERVHGSC	2460.8	6.5	1	1	15470	63.5
PMRMDPPRVRNYDEATSGSC	2282.5	6.5	3	3	1490	19.5
PRDGENNMTFAIDRNKMVGSC	2256.5	6.5	3	3	0	24.5

MHPAQIRINGWTYEMTGSC	2308.6	6.5	1	1	6990	63.5
MHPVGWWWQERFMFINS GSC	2411.8	6.5	1	1	11000	48.5
MQSRPLHDSMNTEGGKSGSC	2122.3	6.5	2	2	0	19.5
MRHYMIMEWTLVITFNYGSC	2495.9	6.5	1	1	8480	73
MDSHIRVASGKRYIEEPGSC	2235.5	6.51	3	3	1490	58.5
MGTERIKKGEDFWNFAHGSC	2313.5	6.51	3	3	5500	24.5
MHRQDDGKRYPYPLQEIVGSC	2329.6	6.51	3	3	1490	53.5
MISLLMKMTALHVKMEEGSC	2252.8	6.51	2	2	0	97.5
MKETPHIVLGQVRTYMEGSC	2279.6	6.51	2	2	1490	68
MTWYKYTEFIEGNHNRFGSC	2483.7	6.51	2	2	8480	19.5
MWVDIREHQAPRNRDPGGSC	2324.5	6.51	3	3	5500	39
PKPITVGGKWYGWEIMEGSC	2238.6	6.51	2	2	12490	53.5
PFPMAWTEMTREWTKYFGSC	2468.8	6.52	2	2	12490	5
PGMWKETRFEIGMTFVNGSC	2290.6	6.52	2	2	5500	34
PWFEFNGETMVKFRINS GSC	2349.6	6.52	2	2	5500	34
GRDHHWHNHVVAGDVHFGSC	2267.4	6.53	2	1	5500	48.5
HEDNKSTYSNNHHHHSYGSC	2354.3	6.53	2	1	2980	0
KHHHHGFWGEQGPDHLSGSC	2253.4	6.54	2	1	5500	19.5
EWHHIWINNQHYNHASHGSC	2470.6	6.55	1	0	12490	44
PKVKYDYITERLIFEFGSC	2407.8	6.55	3	3	2980	87.5
PRARRWEQSTEEPFLGGSC	2369.6	6.61	3	3	6990	24.5
TFIHELHPRMVQQSQVWGSC	2383.7	6.61	1	1	5500	68
THKPWDTEYQSHNSQTRGSC	2362.4	6.61	2	2	6990	0
THTQHQPISLISFWVYVGSC	2303.6	6.61	0	0	6990	87.5
TKLQWFMPWDNGYKHHEGSC	2464.7	6.61	2	2	12490	19.5
TKYIMRPIIWEDPVHHTGSC	2383.7	6.61	2	2	6990	73
TLGPRVIEGAIHWHISMGSC	2164.5	6.61	1	1	5500	97.5
TLVIAIPYHLSHWFMYGSC	2352.7	6.61	0	0	8480	97.5
TMFMQHVDRWPHYLNPMGSC	2450.8	6.61	1	1	6990	34
TMLYMWQVGHQIHANS GSC	2276.6	6.61	0	0	6990	78
TMWRWTHGESADTHYIRGSC	2394.6	6.61	2	2	12490	24.5
TQWRQHERIVQFGHSPDGSC	2368.5	6.61	2	2	5500	34
TYIAYDIHDHMKMREVRGSC	2425.7	6.61	3	3	2980	58.5
TAYYHTHMMFYTAKVTDGSC	2327.6	6.61	1	1	4470	24.5
TNWRLPIVLSMGSELHHGSC	2237.5	6.61	1	1	5500	92.5
TYQVHPMHNYTAAWVTWGSC	2352.6	6.61	0	0	13980	39
TRENYQHDHSQRYDTRSGSC	2440.5	6.62	3	3	2980	0
SHFPPAWHFPWMMAQWIGSC	2416.8	6.65	0	0	16500	29.5
SEENKHGQAQGHQIKLPGSC	2148.3	6.66	2	2	0	44
SGIHHYIEKVRFPDGPPGSC	2196.4	6.66	2	2	1490	53.5
SHFNHPQPWDIYGQSRIGSC	2329.5	6.66	1	1	6990	39
SIRGHEIAQEGAFHQIKGSC	2168.4	6.66	2	2	0	68.5
SNSLEKHGRPPMWHEYVGSC	2314.5	6.66	2	2	6990	34
STHFDRALLPHVSGSIGSC	2097.3	6.66	1	1	0	97.5
SVDVILPWQGKMHTSTHGSC	2183.4	6.66	1	1	5500	68
SYEMPWEFWHHMKVMNRGSC	2555.9	6.66	2	2	12490	14.5
SYGAMEHQMTIAVKHSGGSC	2094.3	6.66	1	1	1490	44
SYGQDWKMWQIKHSHIEGSC	2333.6	6.66	2	2	6990	53.5
SDWIKWHNAPTALTHWKDGSC	2382.6	6.66	2	2	16500	44
SKEPGHIMHSAPVKDGYGSC	2100.3	6.66	2	2	1490	39
SMMEHLRVANIGFTQTHGSC	2219.5	6.66	1	1	0	58.5
SNHNYSNRFRAEFHNNDGSC	2369.4	6.66	2	2	1490	5

SVTQNRQYGPLEEHA KHGSC	2241.4	6.66	2	2	1490	39
MPFHAGLTPHLSWGNQTGSC	2141.4	6.68	0	0	5500	44
MMHLSGILWYFHGMTFQGSC	2346.7	6.68	0	0	6990	58.5
MPNYYVWVMSQSNAHHYGSC	2374.6	6.68	0	0	9970	34
MLNLKHMQYYATDHGMLGSC	2313.7	6.69	1	1	2980	63.5
MMLHMELRWMRWGEHQSGSC	2505.9	6.69	2	2	11000	39
MTPEHKHAFQSPTVYQPGSC	2245.5	6.69	1	1	1490	19.5
MWKHKEQNLSFVVDYNHGSC	2422.7	6.69	2	2	6990	48.5
MWSHKVWHMADLMVLAGGSC	2259.7	6.69	1	1	11000	78
MAWDHMGILRHLEGMARGSC	2271.6	6.69	2	2	5500	68.5
MHIMHYRQKSIEVVTQDGSC	2362.7	6.69	2	2	1490	68
MLYIDGDRYHHQKKSQDGSC	2381.6	6.69	3	3	2980	39
MMLIHFAQLEVKLSSAHPGSC	2212.6	6.69	1	1	0	102.5
MSPHVVDHFHRKIYIDVVGSC	2302.6	6.69	2	2	1490	97
MYHVQALAAAVDPHKFGGSC	2102.4	6.69	1	1	1490	68.5
MYTRNTIYHHDGVWLNNGSC	2324.5	6.69	1	1	8480	53.5
VAFPQANGQAWTHAYMPGSC	2136.3	6.7	0	0	6990	34.5
VFQTYHWVNSNALLYNPGSC	2313.5	6.7	0	0	8480	73
VGPYDNQNYTIWRYTHFGSC	2421.6	6.7	1	1	9970	34
VHVTWYFSDVGKMFATFGSC	2282.6	6.7	1	1	6990	48.5
VMWQGDSDHVMKGFTLYFGSC	2293.6	6.7	1	1	6990	48.5
VNSYGVALFNILSNHFTGSC	2143.4	6.7	0	0	1490	92.5
VQVNSWFKNGWGYLDFHGSC	2344.5	6.7	1	1	12490	48.5
VSSDLWYLQIKLGHASSGSC	2151.4	6.7	1	1	6990	97.5
VVAMYHLGFNLWPATIPGSC	2176.5	6.7	0	0	6990	97.5
VWQSGWAMLIHFMAWQWQSC	2352.7	6.7	0	0	16500	63.5
VYISPTLNTLHGQSMTLGSC	2122.4	6.7	0	0	1490	92.5
VYPWQFFQWNLPHRDYLGSC	2556.8	6.7	1	1	13980	53.5
VYTGSPGTWVMWPHWYSGSC	2301.5	6.7	0	0	19480	29
VEARWPFVRWWDAYFIHGSC	2525.8	6.71	2	2	17990	58.5
VEQFNWWWHQNATMWRQGSC	2594.8	6.71	1	1	22000	19.5
VFHAKPDNNYQVEFTLRGSC	2325.5	6.71	2	2	1490	53.5
VGDMMIKEVHKLFIMLGSC	2208.7	6.71	2	2	0	107
VGKKLHDVYDINTQGVFGSC	2180.4	6.71	2	2	1490	82.5
VHDEIRNMIVQYQLSKPGSC	2317.6	6.71	2	2	1490	87.5
VHISQIVTFAMSRYPDGSC	2258.5	6.71	1	1	1490	73
VHMMSPGPTSKFNIEVGSC	2134.5	6.71	1	1	0	68
VIQLNNAQYAFEKHNILGSC	2262.5	6.71	1	1	1490	102.5
VKPVDFMGRYQGLHNFEGSC	2284.5	6.71	2	2	1490	48.5
VMSGPNYSSVHGRDMLGSC	2110.4	6.71	1	1	1490	68
VNKNFNIVIEYVQLYLHGSC	2353.7	6.71	1	1	2980	121.5
VNVGTSKHQLWLTAEYWGSC	2279.5	6.71	1	1	12490	73
VPMGQHHTTFSMGVEIKGSC	2140.5	6.71	1	1	0	48.5
VPWNMFRFFYPSAFEHGGSC	2379.7	6.71	1	1	6990	19.5
VQLLWYWNEQWRINFHLGSC	2592.9	6.71	1	1	17990	92.5
VRQQRVNEHNTWGNVDYGSC	2362.5	6.71	2	2	6990	43.5
VRVMRDDSVVSHWQVVQGSC	2287.6	6.71	2	2	5500	87
VWANQIRSMQAEGIHVVGSC	2185.5	6.71	1	1	5500	92.5
VYRDAFHVADRIYQTIMGSC	2345.6	6.71	2	2	2980	78
VFGHEIPIIPMFRTWMFGSC	2368.8	6.71	1	1	5500	73
VGHFEAQMFPIAYRITGSC	2290.6	6.71	1	1	2980	63.5
VQWSSWMWNHSFVELWRGSC	2525.8	6.71	1	1	22000	48.5

VEATFEFAHYLSNRQNRGSC	2329.5	6.72	2	2	1490	44
VERQAWMTELFYAHYKFGSC	2466.8	6.72	2	2	8480	44
VQAGYLHDKQVRVDNEGSC	2274.5	6.72	3	3	1490	68
VQTEWHRSLRYIIMEPGSC	2418.8	6.72	2	2	6990	92.5
VSEQSYVVMVEHMRTYRGSC	2361.6	6.72	2	2	2980	58
VYLEVYHRANWSIRPELGSC	2392.7	6.72	2	2	8480	92.5
VFADFGELRNTQGRHVVGSC	2192.4	6.72	2	2	0	68
VHAILKFLVLRWMLLENGSC	2392.8	6.72	2	2	5500	112
VPVHDKTRKTAPAEIIVGSC	2137.4	6.72	3	3	0	73
DIYFHSNPITTNSTNNKGSC	2213.3	6.73	1	1	1490	39
DKFHYWMYMLYGINDKIGSC	2484.8	6.73	2	2	9970	58.5
DMKYPDVYNKVFVGYHAGSC	2293.6	6.73	2	2	4470	48.5
DMPRTWTVTHGLYAFNGGSC	2213.4	6.73	1	1	6990	39
DMQIYKLNIIHYWYNMWP GSC	2562.9	6.73	1	1	15470	58.5
DRTTFSHPTQAWLFYIWGSC	2416.7	6.73	1	1	12490	44
FAQANDMAISIIIPKQHGSC	2144.4	6.73	1	1	0	93
FGYVQYRHD SWLYMPSTGSC	2397.6	6.73	1	1	9970	34
FHGFQNAWQMWMMPMMGQGSC	2374.7	6.73	0	0	11000	5
FKHVDMSVSLIVPLWFP GSC	2322.8	6.73	1	1	5500	102
FMHWVMGASNIMILLYQGSC	2301.7	6.73	0	0	6990	97.5
FNFKFLYDSQYPNLPHNGSC	2391.6	6.73	1	1	2980	39
FPPFISSSFAKYQNQH DGSC	2260.4	6.73	1	1	1490	24.5
FQTKADVGS GHPPTVPNGSC	1999.1	6.73	1	1	0	34
GGHDPWIVAIPIGMMKPGSC	2066.4	6.73	1	1	5500	78
GGWFNYMRLYAFHQYSDGSC	2402.6	6.73	1	1	9970	24.5
GKFSDNITYMIWYHWWVGSC	2543.8	6.73	1	1	20970	34
GKFSYQGTHFNTWDNSTGSC	2237.3	6.73	1	1	6990	0
GNATPPHVTLPMAPVNIGSC	1976.3	6.73	0	0	0	78
GTGQNPHSPFWYNGPWFGSC	2239.4	6.73	0	0	12490	0
GTLTMPFASVTINLSHSGSC	2023.3	6.73	0	0	0	78
GWNMDIHPWIATPARFYGSC	2322.6	6.73	1	1	12490	49
GWYGFTA FRFNYYHADMGSC	2393.6	6.73	1	1	9970	10
HANTALMQIYKQ QMDWIGSC	2338.7	6.73	1	1	6990	68.5
HGMGIFFQFQGQNKVIDGSC	2213.5	6.73	1	1	0	53.5
HKNIGLNIYMAIYDQFWGSC	2373.7	6.73	1	1	8480	83
HMITYTYPLMLLADNMKGSC	2302.7	6.73	1	1	2980	83
HNYVAYQAKYMAWDVAPGSC	2274.5	6.73	1	1	9970	49
HRVFSLNNMYPADSGYGGSC	2175.3	6.73	1	1	2980	39
HSPQQSWWTGAMFITFNGSC	2285.5	6.73	0	0	11000	24.5
HYAAGNLRLQTNYQDNQ GSC	2253.3	6.73	1	1	2980	49
HYAVLTGNYRANGDNLWGSC	2211.4	6.73	1	1	8480	63.5
IHQDWFGYNKTFLLVMVGSC	2358.7	6.73	1	1	6990	87.5
IKLVIVSNNSTVGWDAHGSC	2100.3	6.73	1	1	5500	107
IKTFVVD FHALNTMMFQGSC	2289.7	6.73	1	1	0	73
ISAVLAIQGHYAVTTIAGSC	1975.2	6.73	0	0	1490	127
ITIAYSFVPTTTWLHSAGSC	2155.4	6.73	0	0	6990	83
ITTVDMMWHAKWIAWMGNGSC	2307.6	6.73	1	1	16500	63.5
IWFYGGIYQTNLVGLVHGSC	2298.6	6.73	0	0	8480	107
KLQDIIQPNH MVQGGQWGSC	2239.5	6.73	1	1	5500	73
KTDWQAPINSFVHNPSFGSC	2235.4	6.73	1	1	5500	39
LDWFPATQKMQH LFAGWGSC	2323.6	6.73	1	1	11000	49
LDWIINYAFAHN VYRGAGSC	2270.5	6.73	1	1	8480	88

LINDGIANQPMQVVNKHGSC	2138.4	6.73	1	1	0	92.5
LIYNYWQNPILNMSGTGSC	2311.6	6.73	0	0	8480	78
LMYIPVPATGPSSHSQYGSC	2095.3	6.73	0	0	2980	58.5
LNANAQQTIVMSHTNMIGSC	2133.4	6.73	0	0	0	83
LNRSIAYDGHSEFWMNLGSC	2242.5	6.73	1	1	6990	68.5
LPGPITDVPANQKFPHLGSC	2091.4	6.73	1	1	0	78
LPHYYPQFMPWFSGWYWGSC	2552.9	6.73	0	0	20970	19.5
LPVLQSNPWLPWMQNAHGSC	2278.6	6.73	0	0	11000	78
LQPGAYTLTDARNWILHGSC	2216.5	6.73	1	1	6990	88
LQSLWSAYRWIHHVNYADGSC	2369.6	6.73	1	1	13980	83
LQSQLFVMTWVQHMNWTGSC	2396.7	6.73	0	0	11000	68
LRSNYMVLVMVDAYHVMVGSC	2288.7	6.73	1	1	2980	102
LSSINNDWVVKSMHMYGSC	2334.6	6.73	1	1	8480	68
LSYWHMAITQTQDYPRSGSC	2344.6	6.73	1	1	8480	44
LTQNLHPTYYATNVTAQGSC	2182.3	6.73	0	0	2980	63.5
NDMSIPASQLHGRNMWYGSC	2267.5	6.73	1	1	6990	44
NFYHDFGVVMSYPLPKGSC	2388.7	6.73	1	1	5960	34
NMKKDFINRHLEDCLGCGSC	2283.6	6.73	3	3	125	58.5
NPGIAPHNQIWIAWAPIGSC	2145.4	6.73	0	0	11000	93
NPPSANWPMRLRGDYYHYGSC	2328.5	6.73	1	1	9970	24.5
NQYYQQMDPMKYIYHWAGSC	2526.8	6.73	1	1	11460	24.5
NTSYSVIWVHMLYWGFGGSC	2307.6	6.73	0	0	13980	68
NVMWAVYNHKGKLDAPPSC	2146.4	6.73	1	1	6990	58.5
QLIHVSFWKFDAYFSVMGSC	2365.7	6.73	1	1	6990	73
QSNGLIQQHPWWWSAGGGSC	2126.3	6.73	0	0	11000	63.5
QVWWMNVRSWGYDHGMAGSC	2370.6	6.73	1	1	17990	34
QYNYGVQSNVHTSTAILGSC	2142.3	6.73	0	0	2980	73
QYTARHLQSTWGGDYIIGSC	2256.4	6.73	1	1	8480	63.5
RDQHYGYIQLPGYSASYGSC	2265.4	6.73	1	1	5960	44
RQGYILTLWDFPTHTWYGSC	2444.7	6.73	1	1	13980	58.5
RWFYNYPHTNVVSSYDAGSC	2366.5	6.73	1	1	9970	34
TATHITRGFLMVTEFHHGSC	2245.5	6.73	1	1	0	58.5
TWPAQGGHHIMRWFHENGSC	2351.6	6.73	1	1	11000	24.5
VLKERDTETVLHMTRKEGSC	2332.6	6.73	4	4	0	68
VNSREKLHQWLREPNEPGSC	2379.6	6.73	3	3	5500	53.5
WFLKGIPFTGMDYGFHGSC	2276.6	6.73	1	1	6990	58.5
WGIYASWKHDNPGSMMYGSC	2290.5	6.73	1	1	13980	24.5
WMSMSWSQVQAQAHNIYGSC	2314.5	6.73	0	0	12490	44
WQSNSGYFQIPAAHYHYVGSC	2278.4	6.73	0	0	9970	44
WSGNAMPHQAIMRLIYDGSC	2250.5	6.73	1	1	6990	68.5
WSNYNGGKFPIGDQSHGGSC	2111.2	6.73	1	1	6990	19.5
WVFMVFTGQVTNAMIHPGSC	2225.6	6.73	0	0	5500	68
WWHYISVPIPGFTFAQQGSC	2324.6	6.73	0	0	12490	58.5
WYVATLWWWLHLFVNTAGSC	2453.8	6.73	0	0	23490	97.5
YAQNFNANHLMIMGFVGGSC	2174.4	6.73	0	0	1490	63.5
YDNATVHYYATMASFFKGSC	2276.5	6.73	1	1	4470	29.5
YFVNQFPWSSHFFMWGGSC	2440.7	6.73	0	0	12490	34
YGNATHADIMAVVGRGQGSC	2007.2	6.73	1	1	1490	63.5
YHNATVYTFTQPRNTLDGSC	2288.4	6.73	1	1	2980	39
YHNFNAVPFYKWLDTWNGSC	2462.7	6.73	1	1	13980	39
YIHWMDSWPGQKLWYLMGSC	2501.9	6.73	1	1	19480	58.5
YKWFSPHLLTFNVNDIPGSC	2338.6	6.73	1	1	6990	73

YLPFLWKVTFGNWDVGHGSC	2326.6	6.73	1	1	12490	68
YMGWNTHVWDGIIFTKNGSC	2329.6	6.73	1	1	12490	53.5
YNVWQNSTMPPGILHFMGSC	2282.6	6.73	0	0	6990	53.5
YPRVTSIFWQHMIWDTSGSC	2414.7	6.73	1	1	12490	53.5
YPSHNAVGPDFNRLLGAGSC	2075.2	6.73	1	1	1490	63.5
YPYDFVKFFFLAPHLVVGSC	2413.8	6.73	1	1	4470	73
YQMFTYKQDVMHPTFFNGSC	2444.7	6.73	1	1	2980	14.5
YQWMSIYYAIGHMVPGTGSC	2264.6	6.73	0	0	9970	58.5
YVAHADPNFFVQRNAGYGSC	2216.4	6.73	1	1	2980	44
YVFAVDFIKLAYHIMYFGSC	2387.8	6.73	1	1	4470	97.5
YWGMLHWTLARLDALMIGSC	2337.8	6.73	1	1	12490	107.5
YWPGVDSGRMVGQLINHGSC	2176.4	6.73	1	1	6990	68
YWTHTPFDWLTLIYGQRGSC	2444.7	6.73	1	1	13980	58.5
YYMHQNPPPNWAGAIMPGSC	2234.5	6.73	0	0	8480	29.5
DLLGIMYTIVWHMYRSPGSC	2342.7	6.73	1	1	8480	92.5
FNWSAGYKTIYHTTLDIGSC	2277.5	6.73	1	1	8480	63.5
GLNYNKDPMHPNWLFAAGSC	2221.4	6.73	1	1	6990	44
GLSDHRYIGYMANVFQYGSC	2281.5	6.73	1	1	4470	58.5
HGTQWFVAVSSGNNAMFGSC	2129.3	6.73	0	0	5500	24.5
HTSSTVVVNLSGYMQIGGSC	2040.2	6.73	0	0	1490	82.5
IIAIDGFMMMLVTYGHFRGSC	2231.6	6.73	1	1	1490	97.5
IYFIIHQRWGMLAWFLDGSC	2456.9	6.73	1	1	12490	102.5
KNQTLTSYPQSMGLHMDGSC	2198.4	6.73	1	1	1490	39
KWPYSTMNDHSVFYNGWGSC	2379.6	6.73	1	1	13980	14.5
LFGVWGPYYHIWYMSWTGSC	2453.8	6.73	0	0	20970	53.5
LLDSHGKQAASLNLIQFGSC	2102.3	6.73	1	1	0	107.5
LNMFYYHMMGYQSVGIMGSC	2332.7	6.73	0	0	4470	53.5
LQSTHSVNVNNGGWPIPGSC	2081.2	6.73	0	0	5500	68
LSHSTWTFSFNTITFWWGSC	2408.6	6.73	0	0	16500	39
NGMMITTQGHPSAGYSQGSC	2027.2	6.73	0	0	1490	24.5
NWIGGAPVQHGLIPAYTGSC	2041.3	6.73	0	0	6990	83
TVHSYHYAYNTNVHYTMGSC	2348.5	6.73	0	0	5960	34
WDVIFTGPGYTFRHSSGSC	2216.4	6.73	1	1	6990	48.5
WQQWWWVLGTQYYSGHQGSC	2500.7	6.73	0	0	24980	34
WVYLITPMMIFNMTHQAGSC	2343.8	6.73	0	0	6990	78
WWVNAWNHSLYPWTNMFSGSC	2499.8	6.73	0	0	23490	39
YDVYMLWMWYWHFGNWKGSC	2673	6.73	1	1	26470	34
YFMWPFWWYSHVWGRDWGSC	2697	6.73	1	1	30480	14.5
YHMQITIGPMQQMVTVLGSC	2237.6	6.73	0	0	1490	87.5
YNSTVKIGHYDSTSMWVGSC	2235.4	6.73	1	1	8480	48.5
YPFAATMLHYIPFGWGAGSC	2189.5	6.73	0	0	8480	54
YSTQWMGGHGFGAQQVYGSC	2164.3	6.73	0	0	8480	19.5
DAQYYYTRHFDGLPIRFGSC	2409.6	6.74	2	2	4470	44
DEHMMGLVKFYRWQMMQGSC	2477.9	6.74	2	2	6990	34
DGEWKFLNPSHQFNKAGSC	2278.5	6.74	2	2	5500	44
DHLMFMERWWWMGSMKIGSC	2492.9	6.74	2	2	11000	39
DHTRNNQITLIFWQGSNGSC	2291.4	6.74	1	1	5500	58.5
DHVAKNKMMIEIALPSYWGSC	2280.6	6.74	2	2	6990	63.5
DKSEITAAMTLRNHTINGSC	2162.4	6.74	2	2	0	68.5
DPGMMIIGKWLERHIGPGSC	2197.6	6.74	2	2	5500	78
DRVDHLVGGMQNWKPFPGSC	2293.6	6.74	2	2	5500	48.5
DRWKMPAVLWHNIELNAGSC	2340.7	6.74	2	2	11000	83

DTGDMNPGYNHIWTRNGSC	2294.4	6.74	2	2	6990	19.5
DVDRAMQRTTYAHQWKDGSC	2368.5	6.74	3	3	6990	24.5
FAAFNYVHVEMLLYKSVGSC	2278.6	6.74	1	1	2980	92.5
FAAMINSGTENRWDRHQGSC	2280.4	6.74	2	2	5500	29.5
FFASEIIRVPQSVQSNHGSC	2206.4	6.74	1	1	0	73
FGFIASQNLWKREDFHYGSC	2405.6	6.74	2	2	6990	44
FGVWTHVLDFYALEKQRGSC	2356.6	6.74	2	2	6990	73
FHYNMYEVRDKAQGAMWVGSC	2393.6	6.74	2	2	8480	24.5
FLMTWPELRMPIGHTVAGSC	2246.6	6.74	1	1	5500	78
FLNYEYSRYHGWQAMNAGSC	2397.6	6.74	1	1	9970	29.5
FLYYSENFPILFWHKIVGSC	2463.8	6.74	1	1	8480	92.5
FNGHSVMRIYEYFQMNNNGSC	2397.6	6.74	1	1	2980	34
FNHILEYNMSNRMFNGGSC	2333.6	6.74	1	1	1490	53.5
FQGHGGEKDFIYNPLRIGSC	2238.5	6.74	2	2	1490	58.5
FQIHNRSWQQSMWFNEYGSC	2548.7	6.74	1	1	12490	19.5
FRIGFGIDVLTSGERHTGSC	2152.4	6.74	2	2	0	73
FSNPGPWVTEPTYHAIRGSC	2219.4	6.74	1	1	6990	39
FSVWGRHQILALLYNEPGSC	2290.6	6.74	1	1	6990	97.5
FTMMVLVDPDKNQHKNVGSC	2263.6	6.74	2	2	0	63
FVAPMEPQRLYHSNASGGSC	2151.4	6.74	1	1	1490	44
FVKYNPYEYWHSMYQALGSC	2486.8	6.74	1	1	11460	39
FWWYPGDHLAGGKMSKDGSC	2242.5	6.74	2	2	12490	24.5
FYHKVNQTTIAYWSNETGSC	2349.5	6.74	1	1	8480	39
GDQHQLEPPYKKNQYMIGSC	2336.6	6.74	2	2	2980	39
GEHSDVKKTYILQWINQGSC	2306.5	6.74	2	2	6990	73
GGNGMGSAVIEAYRHFMGSC	2044.3	6.74	1	1	1490	44
GLVSRIPSVPKHDEWTFGSC	2215.5	6.74	2	2	5500	68
GMAMRQNDHVQLSPILMGSC	2188.5	6.74	1	1	0	78
GMMEWTSVKSNHFIPLGGSC	2181.5	6.74	1	1	5500	53.5
GPYSFLYTLVEFNMKHAGSC	2264.6	6.74	1	1	2980	58.5
GQAFLRDGKQHFFWEMSGSC	2331.6	6.74	2	2	5500	24.5
GSYYHLFLKGSWQGEFTGSC	2267.5	6.74	1	1	8480	39
GVEGPWSNKHIMSDWFGSC	2293.5	6.74	2	2	11000	34
GWKWWDTLKDIAVINFHGSC	2376.7	6.74	2	2	16500	78
HAAYREKYTWLWFAQMDGSC	2463.7	6.74	2	2	13980	34.5
HAMNTQEIIAFIYIRGSC	2343.7	6.74	1	1	2980	107.5
HDNIYGGMEKFYVSSKWGSC	2308.5	6.74	2	2	8480	34
HDQLKQFNPLFNAKSEQGSC	2291.5	6.74	2	2	0	44
HEMVVLWSGTFGGWMYKGSC	2275.6	6.74	1	1	12490	48.5
HFSLIPMYWYRNEIYMSGSC	2497.8	6.74	1	1	9970	58.5
HILRTDDKGLAQYGSYFGSC	2231.4	6.74	2	2	2980	63.5
HKDNDNVWLRQINIYPTGSC	2373.6	6.74	2	2	6990	73
HLWRMPISIYLQVMKQDEGSC	2421.8	6.74	2	2	6990	73
HQIMDKYVQMDLWRQYQGSC	2529.8	6.74	2	2	8480	53.5
HREYWGYSRQFYALLDGSC	2438.6	6.74	2	2	9970	44
HSIKYFVSEYVINAQTFGSC	2293.5	6.74	1	1	2980	73
HTERGYSDGSKWGIQSPGSC	2152.2	6.74	2	2	6990	19.5
HTIYLALGEVIKSMKDQGSC	2193.5	6.74	2	2	1490	97.5
HVANTIGGIGILSYVREGSC	2046.3	6.74	1	1	1490	112
HWIWNLDGKRMGSLNWDGSC	2375.6	6.74	2	2	16500	58.5
HWPRDYNDVTWKKAGDGGSC	2292.4	6.74	3	3	12490	19.5
HYLTVQRYRYDDEVQAKGSC	2431.6	6.74	3	3	4470	53.5

IDIMAHNINFSRNMSQNGSC	2252.5	6.74	1	1	0	63.5
IEDTYLRFRRHYGWYNNNGSC	2508.7	6.74	2	2	9970	39
IETVHPKQGTDAKAPGSC	2009.2	6.74	2	2	0	63.5
IFIDTGRETSAVKHGFIGSC	2138.4	6.74	2	2	0	78
IGVEGLRGPFLIGFMWGGSC	2086.4	6.74	1	1	5500	92.5
IHRFPAKMNFIDVQEVGSC	2338.7	6.74	2	2	0	73
IHTRESTNVIFPYGAIPGSC	2162.4	6.74	1	1	1490	78
IHWELVKWFFYNPNIGFGSC	2457.8	6.74	1	1	12490	73
IIRALDSFTNGHSIGFVGSC	2094.3	6.74	1	1	0	97.5
IKLKLYYGVHDNDFSGLGSC	2358.7	6.74	2	2	8480	92.5
IKLSFVKDILHEYGLIGSC	2248.7	6.74	2	2	1490	151
IMMPMQDKSWVMHIKESGSC	2338.8	6.74	2	2	5500	53.5
IRSFLAPNGFHETQDKGGSC	2164.3	6.74	2	2	0	44
ISQQMVLHMYAPPELLGGSC	2233.6	6.74	1	1	1490	97.5
ITHDRIVMIDYMFYKAGSC	2376.8	6.74	2	2	2980	97.5
IVDMEHGTVGQRGTNRSGSC	2104.3	6.74	2	2	0	48.5
IWIRISNGHIQLDMTTWGSC	2331.6	6.74	1	1	11000	97.5
IYIYTRHYNWTQTTLYEGSC	2512.7	6.74	1	1	11460	58.5
KANWQESTHGNSLSLFGSC	2163.3	6.74	1	1	5500	44
KDNDTGQLIHLNLWFLRGSC	2330.6	6.74	2	2	5500	97.5
KDSLAREGSHSWGIFTTGSC	2139.3	6.74	2	2	5500	44
KDTHYHRMDIIEKFPSAGSC	2311.6	6.74	3	3	1490	63.5
KEDLFWPTYYSYPKWNHSGSC	2521.7	6.74	2	2	15470	19.5
KIIPWQGYPRTDGHEWGS	2287.5	6.74	2	2	12490	39
KLTNDNMSPARSMHMQDGS	2223.5	6.74	2	2	0	24.5
KMMFIRHNMVMQDYGETGS	2442.8	6.74	2	2	2980	19.5
KPDIVDHLKKAPYMVLEGSC	2243.6	6.74	3	3	1490	92.5
KQQEFYRDPHNMTQTSGSC	2354.5	6.74	2	2	1490	0
KQSKRNMDLHVDSVVDGGSC	2175.4	6.74	3	3	0	63
KSFHGRVIQDVVGEPYGGSC	2135.3	6.74	2	2	1490	63
KVGMRYDGHFTYASIDPGSC	2204.4	6.74	2	2	2980	39
KVITFRFQHYAEDFVGYGSC	2367.6	6.74	2	2	2980	53.5
KVPSALHLVLSEFYVMGSC	2208.6	6.74	1	1	1490	107
KWHNLSNRNSNLDMVQDGS	2318.5	6.74	2	2	5500	53.5
KYLLNLEFPPHMNAYWQGS	2411.7	6.74	1	1	8480	63.5
LDPLFNTSIMVNWHRWMGSC	2407.8	6.74	1	1	11000	73
LDQVKPNGTVHDFIRGGGSC	2100.3	6.74	2	2	0	68
LEYLRVYTPQPGMHSSGSC	2222.5	6.74	1	1	2980	53.5
LFGQMSQPRHSEGTPTYTGS	2183.4	6.74	1	1	1490	19.5
LGPLRDQIYPPMHDNRFGSC	2316.6	6.74	2	2	1490	58.5
LIMYKKHALTGEDQLYVGSC	2269.6	6.74	2	2	2980	97.5
LIVLHLRQVDIALVVGAGSC	2076.5	6.74	1	1	0	185
LLGALGEGPLPFLSSHNRGSC	2028.3	6.74	1	1	0	102.5
LNKMFHRWFKDNDTYTDGSC	2478.7	6.74	3	3	6990	19.5
LNMVPHKQYSARSDDEKGS	2265.5	6.74	3	3	1490	39
LNRKPLSNDVIMIDTHPGSC	2210.5	6.74	2	2	0	92.5
LQRTAQPTMMSIPLHNGSC	2214.5	6.74	1	1	0	63.5
LSERWAMGAHRDTASQTGS	2164.3	6.74	2	2	5500	34.5
LTEMYPDKLMPTAHAPGSC	2218.5	6.74	2	2	1490	49
LVREQQFSVVQNVVAMHGSC	2231.5	6.74	1	1	0	97
LYEHKWKVMTAWALVDAGSC	2308.7	6.74	2	2	12490	83
NAFAAQNRNMIGNFDWHWGSC	2325.5	6.74	1	1	11000	34.5

NAQNHPKWVVVDENRINVGSC	2280.5	6.74	2	2	5500	68
NFGIWWYILPEKPLSHLGSC	2360.7	6.74	1	1	12490	97.5
NFPHTYYRFMGFMMQEPGSC	2443.8	6.74	1	1	2980	0
NFSAHLQFNKSWILNSEGSC	2282.5	6.74	1	1	5500	63.5
NGKDNVSIDYLHTRLGIGSC	2162.4	6.74	2	2	1490	92.5
NHGAGPSGFANGWKFYEGSC	2086.2	6.74	1	1	6990	10
NHQIPLEGRWFLFSNSGSC	2305.6	6.74	1	1	5500	78
NHQLAWKPVDIPEGSKSGSC	2153.4	6.74	2	2	5500	58.5
NINVREVPQRAHNDMIAGSC	2224.5	6.74	2	2	0	78
NIPSRYNHAIEAYAPFFGSC	2257.5	6.74	1	1	2980	54
NLAFFLVMMEQSVHARFGSC	2287.7	6.74	1	1	0	78
NNYKLHYQRFYSWFDDIGSC	2556.7	6.74	2	2	9970	39
NQFKFERMHVPDLPPWIGSC	2401.7	6.74	2	2	5500	53.5
NQYREFYNWFIHPYPAIGSC	2505.7	6.74	1	1	9970	44
NTGFMMKIFMQVHAENAGSC	2216.5	6.74	1	1	0	44
NVLARTIHQMGTMNDTQGSC	2177.4	6.74	1	1	0	58.5
QAIFIHRINMIAADILPGSC	2183.6	6.74	1	1	0	132
QDGPWGSSGRDIHFRMFGSC	2240.4	6.74	2	2	5500	19.5
QFKEDVVYIHPKMYVTQGSC	2372.7	6.74	2	2	2980	63
QGRDALPIRHDPGNTNQGSC	2136.2	6.74	2	2	0	44
QHNMVNAPTEFIQKSSFGSC	2225.4	6.74	1	1	0	39
QITHLKNSIQIEAGGYTGSC	2120.3	6.74	1	1	1490	83
QIYNSRMYTHESSPDRTGSC	2332.5	6.74	2	2	2980	19.5
QKHMSNSEQATKTDAFWGSC	2256.4	6.74	2	2	5500	10
QKLIGYSNSQEFHIMVTGSC	2242.5	6.74	1	1	1490	73
QLQPQADAMSVKHKTDNGSC	2158.3	6.74	2	2	0	44
QMETGVYPIHMFYTLTGSC	2334.7	6.74	1	1	2980	53.5
QMFEQNMMPPWYVHVQRIGSC	2484.9	6.74	1	1	6990	48.5
QPAQLPKTILTEMHVAQGSC	2152.5	6.74	1	1	0	83
QPMTKVDPHGRIMGDTLGSC	2143.4	6.74	2	2	0	53.5
QPSEWFWDQKLMHGFNRGSC	2453.7	6.74	2	2	11000	19.5
QQNESTYGYIHVQNKIQGSC	2297.4	6.74	1	1	2980	53.5
QTNYVWLWQLEQPLRVHGSC	2457.7	6.74	1	1	12490	87.5
QVVQWHSVVSDDRMVRVGSC	2287.6	6.74	2	2	5500	87
RAFMFIHEKSAPDNGTLGSC	2181.4	6.74	2	2	0	49
RDIGIINVDRHMWLGFAAGSC	2260.6	6.74	2	2	5500	97.5
RERLTSASDLSYWGPSHGGSC	2209.3	6.74	2	2	6990	44
RGGTFHQNMLQWNNQGEAGSC	2264.4	6.74	1	1	5500	19.5
RHDVDQGSNKQILLDRAGSC	2212.4	6.74	3	3	0	78
RHFEPWLPVQLWLMPPFGSC	2440.9	6.74	1	1	11000	73
RHNVLAGYSFMRGEDFQGSC	2274.5	6.74	2	2	1490	39
RLQLYKQLHNQEVMDIGSC	2388.7	6.74	2	2	1490	112
RMAPLAIRYVPHNDFDIGSC	2275.6	6.74	2	2	1490	83
RMMDFKHITADVAVAYGSC	2202.5	6.74	2	2	1490	63.5
RNFQGLEDLVNLKHSSIGSC	2217.4	6.74	2	2	0	92.5
RQIGGWENAFIMGHVNTGSC	2177.4	6.74	1	1	5500	58.5
RRTFVTLIDMWHGQVMDGSC	2352.7	6.74	2	2	5500	68
RSASEVMNHNAPNMMWYGSC	2285.5	6.74	1	1	6990	24.5
RSDHVFVPIGVVAMGLQGSC	2159.5	6.74	1	1	5500	87.5
RTTEMPFVFALGSVHPGGSC	2093.4	6.74	1	1	0	53.5
RTWHLLGNRAVTDPLLEGSC	2238.5	6.74	2	2	5500	97.5
RWAGHKDMNTQINENGSGSC	2205.3	6.74	2	2	5500	24.5

RWTQTLYGKAEVGHIDSGSC	2208.4	6.74	2	2	6990	58.5
RYMSNLIVEYIPNNHTLGSC	2324.6	6.74	1	1	2980	92.5
RYSDMQSEILHMIVPKVGSC	2293.7	6.74	2	2	1490	87.5
WEIRHPMTNSFAPMNPWGSC	2361.7	6.74	1	1	11000	24.5
WGNYEYVVRWHDKSSPTGSC	2371.5	6.74	2	2	13980	29
WGYMRPAYNRDWEVWHIGSC	2526.8	6.74	2	2	19480	39
WHPTATVKPVLDDILYRGSC	2271.6	6.74	2	2	6990	92.5
WHTMDFGMRTNFMPLQAGSC	2330.7	6.74	1	1	5500	24.5
WKTHVETMIGTYPNLWNGSC	2337.6	6.74	1	1	12490	53.5
WMFNQVRDRHDNYWMAFGSC	2563.8	6.74	2	2	12490	19.5
WNKTVNPHMQGMWNAWEGSC	2376.6	6.74	1	1	16500	19.5
WNQGNEGTARWMPHWWTGSC	2404.6	6.74	1	1	22000	5
WNQLHYYQANISEIMKTGSC	2386.6	6.74	1	1	8480	63.5
WPFLRIYGMGPIDPERHGSC	2331.6	6.74	2	2	6990	58.5
WQTVFNGRIGIDHYEAKGSC	2281.5	6.74	2	2	6990	58.5
WRVFMHRSPWADLETNLGSC	2405.7	6.74	2	2	11000	58.5
WSWEIGRHTIDASWQIKGSC	2360.6	6.74	2	2	16500	63.5
WTHIIFWPERTDKMAPPGSC	2372.7	6.74	2	2	11000	44
WYTGHEWKWWDGPFKSLGSC	2470.7	6.74	2	2	23490	19.5
YADMAWHAQTRGRPEVGGSC	2192.4	6.74	2	2	6990	29.5
YITWATEGWGIRNKHDAGSC	2265.4	6.74	2	2	12490	49
YLPFIERVIWSTLLHQIGSC	2375.8	6.74	1	1	6990	131.5
YLRLEFIYNMAGHLGTWGSC	2331.6	6.74	1	1	8480	83
YMITQSIKTKDISHEMSGSC	2259.5	6.74	2	2	1490	58.5
YPMGRNKLLEDHYWDRGSC	2471.8	6.74	3	3	8480	39
YPTEYWKWQLAIWLLHGSC	2507.9	6.74	1	1	19480	102.5
YRSFMSHDWDATVIYKYGSC	2429.7	6.74	2	2	9970	39
YTEFNDVARWKNNDKHNGSC	2398.5	6.74	3	3	6990	19.5
YTNSSLHVNEWMRLLIAGSC	2294.6	6.74	1	1	6990	97.5
YTTHFASKMPGLENFVIGSC	2202.5	6.74	1	1	1490	58.5
YVHRQFNTDFVNKDSTQGSC	2346.5	6.74	2	2	1490	29
YVTLWTSNIRIQGLQEHGSC	2305.5	6.74	1	1	6990	92.5
YYETNHPNNSWAYWARVGSC	2418.5	6.74	1	1	15470	24.5
DELWFPWPWKMRGHYVMGSC	2525.9	6.74	2	2	17990	34
DERMGLGGNSWNFHAWRGSC	2280.4	6.74	2	2	11000	24.5
DKYNVTRWFHAETNPLSGSC	2325.5	6.74	2	2	6990	39
DPGRALLTMDSHQNIKGSC	2156.4	6.74	2	2	0	83
DQNYAKSSYRRAQDHEQGSC	2343.4	6.74	3	3	2980	10
DTMDPMLRNQHKAYEYRGSC	2415.7	6.74	3	3	2980	24.5
DVFTIPSHLLRNQDRPLGSC	2268.5	6.74	2	2	0	92.5
FAKNPQHWGGWIVA EVTGSC	2187.4	6.74	1	1	11000	58.5
FEAYVHNIAYWRYGWSAGSC	2380.6	6.74	1	1	15470	49
FHVKEVVTMWVDKSGNPGSC	2220.5	6.74	2	2	5500	58
FLGVNTEKPQHWRTNMDGSC	2320.5	6.74	2	2	5500	34
FLIAIEIFSSIIHNSPRGSC	2204.5	6.74	1	1	0	122
FQSFERAPGLHNFLQLPGSC	2248.5	6.74	1	1	0	63.5
FRIIPREQALLDHGTSLGSC	2213.5	6.74	2	2	0	102.5
GERRGDHVQSQAQOFTGSC	2148.2	6.74	2	2	0	19.5
GWLTSIKELIHN MSTNSGSC	2178.4	6.74	1	1	5500	78
HATRNLFLFLLYQYGELGSC	2361.7	6.74	1	1	4470	102.5
HIQLYRSPTEAQVWMLQGSC	2347.6	6.74	1	1	6990	78
HRFDWLAKMEIQYFAYVGSC	2464.8	6.74	2	2	8480	63.5

HRKYAVEQYLIMYDWTPGSC	2460.8	6.74	2	2	9970	58.5
HYQFNGNQGYSSKEVSWQGSC	2319.4	6.74	1	1	8480	14.5
IDMNYKHKYDASLPTWAGSC	2300.5	6.74	2	2	8480	49
IFLHGETYQVIMVKFAGGSC	2200.6	6.74	1	1	1490	92.5
IGKGVHKSNDSGKWDDGGSC	2047.1	6.74	3	3	5500	34
IMAATKTNQEMHQVMFVGSC	2226.6	6.74	1	1	0	58.5
IQSVKAYEIRDGLVNVHGSC	2188.4	6.74	2	2	1490	107
KIVVYIAHPEPIDFNRVGSC	2257.6	6.74	2	2	1490	107
KPIFIVDPTRMSWADWHGSC	2346.7	6.74	2	2	11000	58.5
KPYMHPTILPAYVFNQEGSC	2295.6	6.74	1	1	2980	58.5
KRENLIKDGDYHPIYQLGSC	2349.6	6.74	3	3	2980	78
KWTFEWSRDFSNSAVHMGSC	2375.6	6.74	2	2	11000	19.5
LIHWFQDSEGMGMRKYVGSC	2344.7	6.74	2	2	6990	53.5
LMNIRNNIEIYPIWTHPGSC	2371.7	6.74	1	1	6990	97.5
LVTDGIYHVKFELSNRSGSC	2225.5	6.74	2	2	1490	87.5
NAAQAAQRLEAAANHNIGSC	2010.1	6.74	1	1	0	74
NDIRRPNQEIWIPTMSHGSC	2354.6	6.74	2	2	5500	58.5
NERMHAVQTDGYTNWMRGSC	2356.5	6.74	2	2	6990	19.5
NIPPIEHIVLIVPYNKGGSC	2163.5	6.74	1	1	1490	126.5
NKQMLQNIDMPNMSHDKGSC	2291.6	6.74	2	2	0	39
NQHNLWPDGVMIRSIGSC	2211.5	6.74	1	1	5500	97.5
NRDIQLTHKEGPTPTTWGSC	2241.4	6.74	2	2	5500	39
NWYRAMMMFEMTFFQWHGSC	2604	6.74	1	1	12490	5
QDARGSLASPSKNEVGSC	2030.1	6.74	2	2	0	44
QIHTWWTWEAIKTWLIPGSC	2456.8	6.74	1	1	22000	83
QTEKMYRFADSGWHNALGSC	2301.5	6.74	2	2	6990	29.5
RAWAMMHDWNMTYLRDAGSC	2415.7	6.74	2	2	12490	34.5
RIFTPEDWVTHWVYTRGSC	2539.8	6.74	2	2	17990	48.5
RLNVSFFVADWPSHTREGSC	2308.5	6.74	2	2	5500	53.5
WFIQIIVHEPNRPYMVVGSC	2388.8	6.74	1	1	6990	102
WMPENWNMIIPKQWAMHGSC	2459.9	6.74	1	1	16500	44
WMWMVKWSVYIENSGHTGSC	2401.7	6.74	1	1	17990	48.5
WQDTIVSSILMRNVAAHGSC	2188.5	6.74	1	1	5500	97.5
WWWSHRDMTSISFFLEKGSC	2503.8	6.74	2	2	16500	39
YADILYGMQEKMPMKHNGSC	2316.7	6.74	2	2	2980	44
YFLHRQPMQKGNFDEYFGSC	2467.7	6.74	2	2	2980	19.5
YFYRPYEDHVLKTPFIQGSC	2463.7	6.74	2	2	4470	53.5
YIRTIISTYFLKEGHWGSC	2389.7	6.74	2	2	8480	78
DRIWHYRFEFEFTFMRSGSC	2614.9	6.75	3	3	6990	19.5
DVDRPDRKHNGFLFRELVGSC	2313.5	6.75	4	4	0	68
DYWGGHKQRLDWQRTEGGSC	2379.5	6.75	3	3	12490	19.5
FFRALDIKNQWHDREPIGSC	2432.7	6.75	3	3	5500	63.5
FPKDQWEWMSPLVEHKKGSC	2432.8	6.75	3	3	11000	34
FPKYMKGGEAWVEAIQHGSC	2238.5	6.75	2	2	6990	44
FPYEVARWFHKGNYEGAGSC	2318.5	6.75	2	2	8480	24.5
FREREMDTTITHVMPVKGSC	2337.7	6.75	3	3	0	48.5
FVTGNEFIRNEKHAAFNGSC	2241.4	6.75	2	2	0	44
GGLAVMVRFRMEDKQHDGSC	2236.5	6.75	3	3	0	53.5
GKRQPFDEIPDGKQHQFGSC	2274.5	6.75	3	3	0	19.5
GSFKLKDGHGTRMDFMGSC	2203.4	6.75	3	3	0	19.5
HELLEIKAKQWVNQFNLGSC	2357.7	6.75	2	2	5500	97.5
HFGIVISVMNEKEGALRGSC	2147.5	6.75	2	2	0	92.5

HGQFISRYNEESRWVIWGSC	2454.7	6.75	2	2	12490	53.5
HPWKYNIWKEVIYFFETGSC	2547.9	6.75	2	2	13980	53.5
HQVKQEGVQAEMFNVFRGSC	2294.5	6.75	2	2	0	48.5
HRVGNTMERFELPNLTSGSC	2248.5	6.75	2	2	0	53.5
HTWFWAFQVEQNKEKWVGSC	2510.8	6.75	2	2	16500	34
HTWSSEVWMRTEKWTWTGSC	2498.7	6.75	2	2	22000	14.5
IEHRNPVRMPWEYFLLSGSC	2434.8	6.75	2	2	6990	73
IHKFNEYFAREQAFFSVGSC	2380.6	6.75	2	2	1490	44
IKAIEWPPDFIRHPDKSGSC	2296.6	6.75	3	3	5500	63.5
INKMPFETHRLGPERFDGSC	2334.6	6.75	3	3	0	39
IPGIHWQEERKLVSQWFGSC	2400.7	6.75	2	2	11000	73
ISIRTLHEETTAYPKVSGSC	2192.4	6.75	2	2	1490	78
KHDDSQQRQSRQSNSTGSC	2278.3	6.75	3	3	0	0
KIEEWQGVNAVIHMTVRGSC	2257.6	6.75	2	2	5500	87.5
KIHFWDEFDRQKAVWIAGSC	2436.7	6.75	3	3	11000	63.5
KLEMRYGHVFTAMDREMGSC	2361.7	6.75	3	3	1490	39
KLQSLNTTEEWNRRHGDGSC	2331.5	6.75	3	3	5500	39
KQWAPDVVFQWRNKHEDGSC	2430.6	6.75	3	3	11000	34
KVEPYLPSLVNPLHEMRGSC	2269.6	6.75	2	2	1490	87.5
KVKIDVHMEKEYQSGSGGSC	2182.4	6.75	3	3	1490	48.5
KWFSTSERNFHIPTSETGSC	2314.5	6.75	2	2	5500	19.5
LMGKDEIRHLDLGNPRMGSC	2242.6	6.75	3	3	0	78
LNAEKNYFRFWGMHEAVGSC	2359.6	6.75	2	2	6990	44
LSVTHPQQWVEKEFTKMGSC	2335.6	6.75	2	2	5500	48.5
LTMIEHDREFKAIWKIYGSC	2440.8	6.75	3	3	6990	83
NAKAELAGKEPVYWVTHGSC	2160.4	6.75	2	2	6990	63.5
NATIEWSSGKKFHFVEMGSC	2258.5	6.75	2	2	5500	39
NFHGKLEVQERWQKFEIGSC	2435.7	6.75	3	3	5500	53.5
NLAMVYTELKHMAPERLGSC	2263.6	6.75	2	2	1490	83
NLFHKMWVRGMWEVEAVIGSC	2393.8	6.75	2	2	11000	73
NVTGPNEVRLLPRVHELGSC	2190.5	6.75	2	2	0	102
QFILKQNTTEHAESFKERGSC	2352.6	6.75	3	3	0	44
QNLVWVTRHIRDDSKMTGSC	2376.6	6.75	3	3	5500	53.5
QNRWTEFESHMINNAFRGSC	2427.6	6.75	2	2	5500	24.5
QVLESPMYPRVSEHQPKGSC	2272.5	6.75	2	2	1490	48.5
QYEARQQAVIAYYHPERGSC	2369.6	6.75	2	2	4470	49
REMPKNRAQESIDWFLHGSC	2404.7	6.75	3	3	5500	44
RFAEIVVGESLAHGFMRGSC	2166.5	6.75	2	2	0	78
RHSEPYKSMIAASTSGEGSC	2098.2	6.75	2	2	1490	29.5
RIALGFLPVRHGEWLVEGSC	2239.6	6.75	2	2	5500	112
RIIATPVIKNEWFEQHGSC	2341.7	6.75	2	2	5500	97.5
RITGFHKFDMEADTKNGGSC	2214.4	6.75	3	3	0	24.5
RLYHTNNRQENEVSWYGGSC	2413.5	6.75	2	2	8480	34
RNAIGSQTTQEREYMNHGSC	2282.4	6.75	2	2	1490	24.5
RNKSLIDKEDQLSHREFGSC	2362.6	6.75	4	4	0	58.5
RVFHQLSDEEQGKRNYNGSC	2367.5	6.75	3	3	1490	34
RWPYSHNGRNTMTENEAGSC	2310.4	6.75	2	2	6990	5
WKPEVSHAMLRSMKDDVGSC	2276.6	6.75	3	3	5500	53.5
WRGMDGIKFHRVDPEFAGSC	2308.6	6.75	3	3	5500	39
YEKFHFLPTWKYWGREDGSC	2549.8	6.75	3	3	13980	19.5
YKNEWHLRVTRGNDQFDGSC	2425.6	6.75	3	3	6990	34
YKYGGEMYHFVMENRMPGSC	2399.7	6.75	2	2	4470	14.5

YPWRHEIFATAKAEQSGSC	2238.4	6.75	2	2	6990	34.5
YQNEPHSMALGQWEQKKGSC	2321.5	6.75	2	2	6990	24.5
HDVGPREMSIVPKYRTDGSC	2247.5	6.75	3	3	1490	48.5
HKDSKFEAIVEGARSALGSC	2105.3	6.75	3	3	0	68.5
HKEAWREPWEGKYPFMTGSC	2439.7	6.75	3	3	12490	5
HLDIPNKPRQPEMVERLGSC	2319.6	6.75	3	3	0	73
HWKNENNTRAYVMTEWNGSC	2440.6	6.75	2	2	12490	19.5
HWRWKGPENYNLGNLNEGSC	2374.5	6.75	2	2	12490	39
KQEHPVWWNFMGPQKEGGSC	2345.6	6.75	2	2	11000	14.5
KRAGYTIEREHDALAYNGSC	2254.4	6.75	3	3	2980	54
LERGHRADMAYRDTFPMGSC	2313.6	6.75	3	3	1490	29.5
LILGFEDMDVWRWWKHKGSC	2506.9	6.75	3	3	16500	73
NMQKFSKQKTEHVQDEGGSC	2281.5	6.75	3	3	0	14.5
QMEVKVLLKVESSYHMGSC	2225.6	6.75	2	2	1490	82.5
QWWASGDKREGHPSKGECS	2202.3	6.75	3	3	11000	5
RRDFTKAIQWHIIEIYGSC	2465.8	6.75	3	3	6990	83
RSKSEWQMDKMLQAHEAGSC	2322.6	6.75	3	3	5500	29.5
WAFWRKYHMPYEYVNNQGS	2559.8	6.75	2	2	13980	19.5
WILEPMHESRAGYGKPSGSC	2205.4	6.75	2	2	6990	44
YGVHREWPAFRWSAMENGSC	2383.6	6.75	2	2	12490	24.5
AALYFDYVCIYTVARSHGSC	2239.5	6.76	1	1	4595	83
FKELPRWEKDATEAFKHGSC	2379.6	6.76	4	4	5500	29.5
LYENEVWHEKDNFKYRRGSC	2573.8	6.76	4	4	8480	34
QYYLKRGIHRQDEYREGSC	2530.7	6.76	4	4	4470	39
RLREMHGTYDKENEGKGSC	2267.4	6.76	4	4	1490	19.5
RMEDMKIKEQRVEHQLMGSC	2448.8	6.76	4	4	0	53.5
AHQSYDQWLSLWIAYSGSC	2378.6	6.77	1	1	15470	68.5
ANSHMPLIYVQWVYFGTGSC	2273.6	6.77	0	0	8480	73
ARFYIYHMQAYVLAYDQGS	2399.7	6.77	1	1	5960	68.5
AYHNIYSLVTLPGGGPGSC	1963.1	6.77	0	0	2980	78
DRKTEKDERRHQEEQQRGSC	2515.6	6.77	6	6	0	0
SNHVWQGMQLQIDHSHFRGSC	2339.5	6.77	1	1	5500	53.5
AALWKVVAYMHSYGDVVGSC	2158.4	6.78	1	1	8480	78
ADHKNRIGWGETAWTIYGSC	2265.4	6.78	2	2	12490	49
ADNAHYTMLMRMWALMGSC	2259.6	6.78	1	1	6990	54
ADYSSVNTHPYNYFWRGSC	2366.5	6.78	1	1	9970	34
AGGNHLAIAFNAIFLNMGSC	2021.3	6.78	0	0	0	98
AIQLSLVWYNSASEYHKGSC	2256.5	6.78	1	1	8480	83
ALEHSASSGKSVPIQIGGSC	1928.1	6.78	1	1	0	83
ALGLMLALYSHGGKWPDGSC	2076.4	6.78	1	1	6990	88
AMLPAVIMVNASSTLHWGSC	2088.4	6.78	0	0	5500	102.5
ANPGPWFWHNKEIPTYGSC	2261.5	6.78	1	1	12490	24.5
ANTYAYLTPSITHQEPKGSC	2181.4	6.78	1	1	2980	49
APMGYTWKFEFTPHMSGSC	2264.5	6.78	1	1	6990	5
AQLPMFNTRMGFDMTHWGSC	2330.7	6.78	1	1	5500	24.5
AQQFFHAAYEAPKQTPNGSC	2195.3	6.78	1	1	1490	20
ARDLLIQKNSGQDVDHRGSC	2212.4	6.78	3	3	0	78
ASTLFIKWHFDDPVWRGGSC	2322.6	6.78	2	2	11000	58.5
ATIEATSNHWRMNGGNPGSC	2103.2	6.78	1	1	5500	29.5
ATQYTNNENLIYNMKYHLGSC	2363.6	6.78	1	1	4470	63.5
AVWTKLLLEMYPVQSTHGSC	2263.6	6.78	1	1	6990	92.5
AWIENLRQYSVDHMKFMGSC	2415.7	6.78	2	2	6990	58.5

AYHSVLSRWGPENVTTSGSC	2151.3	6.78	1	1	6990	53.5
STVWRYIYRFHLHEHDQGSC	2534.7	6.78	2	2	8480	53.5
AALVWGRWINHLDQASWGSC	2270.5	6.78	1	1	16500	88
AINPHLNITPMLILRDGGSC	2135.5	6.78	1	1	0	122
AKFISVQMTHYYEMYSPGSC	2342.6	6.78	1	1	4470	39
AYVAKTDHRAEVWSLVLGSC	2205.5	6.78	2	2	6990	97.5
AAGERDVFTQREKHTFLGSC	2252.4	6.79	3	3	0	44
AEEMWHMIIQAFGNRRGSC	2293.6	6.79	2	2	5500	49
AFFKLEHDRNSAPNPKDGSC	2233.4	6.79	3	3	0	29.5
AFLRTMQERTSLWEHASGSC	2310.5	6.79	2	2	5500	49
AGYASRYPANHEWFRNEGSC	2315.4	6.79	2	2	8480	15
AHDEDIRYWLPRKGPSGSC	2300.5	6.79	3	3	6990	63.5
AIFPEKVHTMEYIMIRSGSC	2312.7	6.79	2	2	1490	78
AIWQRENTMRVTFQDHSGSC	2366.6	6.79	2	2	5500	39
ANGHSMRRDIMLVATIEGSC	2161.5	6.79	2	2	0	83
APARPMVSWEEHSSFSKGSC	2193.4	6.79	2	2	5500	24.5
MFNHYHYGAMHQYSWFAAGSC	2437.7	6.8	0	0	9970	10
MHNHAFNDNHGRGPTAWGSC	2209.3	6.8	1	1	5500	10
MNDYDPLMKVFQSHHKGSC	2374.6	6.8	2	2	1490	34
MHYRDMHRSEVEHSNKQGSC	2431.6	6.81	3	3	1490	14.5
TPVISLAHYHFWFLHHAGSC	2323.6	6.82	0	0	6990	83
EFILYNMTKNNGMADKHGSC	2273.5	6.83	2	2	1490	44
ELVYFYDQTPHVKARVGGSC	2269.5	6.83	2	2	2980	68
ENINKASWSPPHFNWNWGSC	2374.5	6.83	1	1	16500	24.5
ERSVSFQFGMHAYMTYAGSC	2272.5	6.83	1	1	2980	24.5
EKHNYQSKMLDTGTATVGSC	2170.4	6.83	2	2	1490	39
ETMKVNMFNTHVIFNILGSC	2298.7	6.83	1	1	0	87.5
EAAWSRPVSWAPSFHAQGSC	2174.3	6.84	1	1	11000	34.5
EDDSPNNGPRGKGQHRMGSC	2142.2	6.84	3	3	0	0
EFPRQRMGNQSQFAEHPGSC	2306.5	6.84	2	2	0	5
EGWHALLQFARDNWKPWGSC	2401.6	6.84	2	2	16500	49
EHKPTMSEKYNMYPLMMGSC	2377.8	6.84	2	2	2980	19.5
EHVFRFFDVFYSSFFQPKGSC	2487.8	6.84	2	2	1490	29
EHYPNGLEMRNTKPLMSGSC	2264.5	6.84	2	2	1490	39
EILFYKIDKHAMYRWEYGSC	2552.9	6.84	3	3	9970	63.5
EIWPDWQKYLFRPWLTHGSC	2562.9	6.84	2	2	17990	58.5
ELRFHNLGILETSTKFGVSC	2251.5	6.84	2	2	0	92.5
EMDHRYPYGTALLWLQGSC	2400.7	6.84	2	2	8480	63.5
ENYGQFGIKNNYGLHREGSC	2286.4	6.84	2	2	2980	39
EPAVDTLFHKLDTIRKYGSC	2293.6	6.84	3	3	1490	78
EQKFWWWKFGEQVHSYMGSC	2434.7	6.84	2	2	12490	14.5
ETDKTINVREAAAHGMKGSC	2118.3	6.84	3	3	0	49
ETLILVRMMWFMHKVLDGSC	2409.9	6.84	2	2	5500	107
ETTLHVLFRMDQTAKSGGSC	2181.4	6.84	2	2	0	58.5
EYSGMFDHRFIFITATRGSC	2338.6	6.84	2	2	1490	44
EFDTHPKRDTRNIWVYMGSC	2455.7	6.84	3	3	6990	34
EFYFHQKMSDRLVDGKPGSC	2344.6	6.84	3	3	1490	34
EHYYVWAREQLGNRMTQGSC	2428.6	6.84	2	2	8480	39
ENIGDLNTRMVTHWKMSGSC	2279.5	6.84	2	2	5500	53.5
EQATPNVHKEYGMWPMKGSC	2293.6	6.84	2	2	6990	19.5
EQHMASMDRRWWSLAQMGSC	2410.7	6.84	2	2	11000	29.5
EVLKFTNRDIADSRSTHGSC	2236.4	6.84	3	3	0	58.5

EWAIFAQENKYLHLTRWGSC	2452.7	6.84	2	2	12490	68.5
EQNYSSREYNENHKKSQGSC	2388.4	6.85	3	3	2980	0
EWRIEVRESLRHKDMMPGSC	2459.8	6.85	4	4	5500	53.5
ERYHLAEIERQWAGNRTGSC	2376.5	6.85	3	3	6990	49
VGSVMSNAGWNGHHLVTGSC	2013.2	6.88	0	0	5500	68
VHWQNWWMILNKNEQHIGSC	2523.8	6.88	1	1	16500	73
VIQGAYPAHVAFHREGWGSC	2185.4	6.88	1	1	6990	63.5
VNHKPLLSGHSVGEWPSGSC	2091.3	6.88	1	1	5500	68
VQFTGQHLWKDLHMFNGSC	2361.7	6.88	1	1	5500	73
VQGAPEIAARHLANYHPGSC	2091.3	6.88	1	1	1490	73.5
VQGLGMQKTGPTQHDHAGSC	2052.2	6.88	1	1	0	39
VRLDTHGQHPKPDSQYSGSC	2212.3	6.88	2	2	1490	34
VTEKPTHVSGHPWIWFGSC	2267.5	6.88	1	1	11000	63
VTIYIHVVGMNHETWRPGSC	2299.6	6.88	1	1	6990	82.5
VVMTNMNAISHHIQWSGSC	2228.5	6.88	0	0	5500	92.5
VAEGGTHITLPLHARGLGSC	1989.2	6.88	1	1	0	102.5
VFRIYMGLIGHNSWTEHGSC	2307.6	6.88	1	1	6990	73
VIVLFAAFVTFRMDHHAGSC	2221.6	6.88	1	1	0	97.5
VVWYHTNNHVIYYWPPGSC	2498.8	6.88	0	0	16960	63
MYLHWFFILNPHHLHFLGSC	2512.9	6.89	0	0	6990	97.5
VEIRKWFQNEHLP SHSVGSC	2353.6	6.89	2	2	5500	68
VREKIDPMLHATTDHRYGSC	2329.6	6.89	3	3	1490	58.5
WKYGHQYFVWDFYSAHGSC	2544.7	6.9	1	1	16960	19.5
DDTLYNAHKHLKWFGFIGSC	2352.6	6.91	2	2	6990	63.5
DFLWSKSGILSHASWNHGSC	2232.4	6.91	1	1	11000	63.5
DFWHIHGNVLVFMAYYGSC	2387.7	6.91	1	1	8480	73
DGHHAVIWKPFVDIRFGSC	2297.6	6.91	2	2	5500	92.5
DHDKIGQSHQQWRGQAWGSC	2324.4	6.91	2	2	11000	24.5
DHDQKRRIWTYTHEVFFGSC	2525.7	6.91	3	3	6990	34
DIHKVQSILHQTGVQTLGSC	2164.4	6.91	1	1	0	107
DNFVRHGPVNPNTIFVGSC	2210.4	6.91	1	1	0	63
DPFHHRTLRYWWESSNPGSC	2475.6	6.91	2	2	12490	19.5
DPHGAFNNEYPKLNHMKGSC	2259.5	6.91	2	2	1490	24.5
DQRFVPHLYFTHQRWDWGSC	2578.8	6.91	2	2	12490	34
DRVHGMWHYYGRTGMEVGSC	2341.6	6.91	2	2	8480	29
DSHAHEIVYTKQPPYGRGSC	2245.4	6.91	2	2	2980	39
DTGHVPWQDMAPSKYHRGSC	2272.5	6.91	2	2	6990	19.5
DTNHGYMKVMSHLFNLTGSC	2255.5	6.91	1	1	1490	53.5
DTPEHYRYTPMWVNKQHGSC	2449.7	6.91	2	2	8480	14.5
DTYHTAWGMTQSPGHRVGSC	2191.3	6.91	1	1	6990	19.5
DVFGTILHTDHNKRLWPGSC	2296.5	6.91	2	2	5500	73
DYALYAKSLHIYASWHPGSC	2282.5	6.91	1	1	9970	73.5
FAKAQHHLGSMPLPNNDGSC	2190.4	6.91	1	1	1490	49
FDHNEVRLHKKAQYMDTGSC	2379.6	6.91	3	3	1490	39
FEKSAIKDIQFLQAHHWGSC	2345.6	6.91	2	2	5500	68.5
FFKPLNDLDAHERHSYRGSC	2392.6	6.91	3	3	1490	44
FGQPVNMPVYPHVINGHGSC	2153.4	6.91	0	0	1490	63
FHGQLIMPHKMWWASNDGSC	2345.7	6.91	1	1	11000	44
FHMYNSFTSSMVVHIQTGSC	2276.5	6.91	0	0	1490	48.5
FKYVATHGKELLDREGHGSC	2247.5	6.91	3	3	1490	58.5
FLPWGTNGQHIAWTAIHGSC	2196.4	6.91	0	0	11000	68.5
FPSHLWRHPDPFTYVLGGSC	2316.6	6.91	1	1	6990	53.5

FQKMHHQIWLWTEPTFGSC	2477.8	6.91	1	1	11000	39
FSTPWMVDHWKMGGNAHGSC	2248.5	6.91	1	1	11000	19.5
FWINSWVPPREWGHNLHGSC	2422.7	6.91	1	1	16500	53.5
FYTYWPKFAWRNHEHGEHSC	2515.7	6.91	2	2	13980	5
GFWLLAHVHKDYAAIYTGSC	2252.5	6.91	1	1	8480	88
GHGYIMMHSMSNGPSWPGSC	2136.4	6.91	0	0	6990	19.5
GHHMIMNNTNMSSLQFYGSC	2272.5	6.91	0	0	1490	39
GHQTTIEGHAKSMIYASGSC	2078.3	6.91	1	1	1490	49
GNMIYQETKPPPHIHSNGSC	2260.5	6.91	1	1	1490	39
GSSHGFYFWQSVSIYAHGSC	2220.4	6.91	0	0	8480	39
GVSHLHWIKMLNETTVMGSC	2243.6	6.91	1	1	5500	87.5
GWAKARAWHYQPHEEQWGSC	2427.6	6.91	2	2	17990	15
GYQTSNSHTPTSAMHPFGSC	2110.2	6.91	0	0	1490	5
HDHAKTLTARNEYGPLWGSC	2256.4	6.91	2	2	6990	49
HDIVTKTPAYAPFWIAHGSC	2214.5	6.91	1	1	6990	68.5
HDKDIYRHWRGDGVWQPGSC	2412.6	6.91	3	3	12490	34
HDNGDVGKPYLGHATWRGSC	2170.3	6.91	2	2	6990	39
HFPNIDPMYYHAFYTRVGSC	2418.7	6.91	1	1	4470	39
HFPQSFQSFYWGILTHGSC	2355.6	6.91	0	0	6990	58.5
HGNIVHPYVPMNVPQGFSC	2153.4	6.91	0	0	1490	63
HGWFEFYSHMVAANKWIGSC	2370.6	6.91	1	1	12490	44
HGYIWVYLHQATAWLPGSC	2315.6	6.91	0	0	13980	102.5
HHAFFNGEYMKMMSLSIGSC	2290.6	6.91	1	1	1490	44
HHGFMWYLRQEWQWPSTGSC	2536.8	6.91	1	1	17990	19.5
HHKNVATTLTLLVTNWEHSC	2236.5	6.91	1	1	5500	112
HHNINDQIYARGSQAPNGSC	2182.3	6.91	1	1	1490	49
HISQHMMAYSKAFDYGSC	2270.5	6.91	1	1	2980	29.5
HKHPRVSGDFTMLINNDGSC	2228.4	6.91	2	2	0	53.5
HLRHENVLGNTPFNWYGGSC	2301.5	6.91	1	1	6990	53.5
HMANYQNMMHFGSVPTIGSC	2225.5	6.91	0	0	1490	39
HMLVPRQLDPSYGQNHTGSC	2240.5	6.91	1	1	1490	53.5
HNVPNPSTWEWIPWQHRGSC	2431.6	6.91	1	1	16500	34
HSEFWQPNVNLNQMHNRGSC	2398.6	6.91	1	1	5500	34
HSMEQSAWPDTKSGRQHGSC	2229.3	6.91	2	2	5500	5
HTLRSNPWLDQMTHTPLIGSC	2306.6	6.91	1	1	5500	78
HVFYEKSHRFNSADSYWGSC	2420.6	6.91	2	2	8480	19.5
HVKEPIQNIYHWLVTGVGSC	2280.6	6.91	1	1	6990	102
HVVFMVNDHWKMNLGQYGSC	2365.7	6.91	1	1	6990	63
IDGGLTHFKEGWHRWQPGSC	2311.5	6.91	2	2	11000	39
IHHGNNDSPRINTGLGAGSC	2020.1	6.91	1	1	0	63.5
IHLPPSVGDHYVFYRNLGSC	2274.5	6.91	1	1	2980	87.5
IHPVTVHLAMYAPFAGGSC	2028.3	6.91	0	0	1490	83
IIHWKQYHADMLLLEWKGSC	2471.9	6.91	2	2	12490	102.5
INEMNLGSSRYEQPHHKGSC	2287.5	6.91	2	2	1490	39
INQMAKVVPQHHTSINEGSC	2193.4	6.91	1	1	0	73
INVNFTFHVNSEPNRHAGSC	2243.4	6.91	1	1	0	53.5
IQMDYGAYLMGTHSPHKGSC	2196.5	6.91	1	1	2980	44
ITHQTHKLSTSDFQERVGSC	2274.4	6.91	2	2	0	53.5
IVSNHANVVEESKKHVIGSC	2150.4	6.91	2	2	0	102
KAMSIHQLANPFDWHFWGSC	2375.7	6.91	1	1	11000	49
KDEFYGMFWQFHSHFVKGSC	2480.8	6.91	2	2	6990	14.5
KGANTQDATEHGHSGFRWGSC	2189.3	6.91	2	2	5500	10

KG VAYTNYP SLDMHSHGGSC	2124.3	6.91	1	1	2980	39
KGYSIRHTEHAWPDIYVGSC	2319.5	6.91	2	2	8480	58.5
KHWADWANYHQKTMNDNGSC	2406.5	6.91	2	2	12490	10
KKESHNTEHDSKNNYKGSC	2321.4	6.91	4	4	1490	0
KLTNSWGEHMHMQMVIGSC	2317.7	6.91	1	1	5500	53.5
KNAIWHWMHWREMTDVMGSC	2518.9	6.91	2	2	16500	39
KPKNAQIADVWIPLHDHGSC	2229.5	6.91	2	2	5500	83
KQLNRHNFHGSDMPWNDGSC	2343.5	6.91	2	2	5500	19.5
KVVHVEKSKWHVLSQDDGSC	2281.5	6.91	3	3	5500	77.5
KWDHGGQNGLFPPMHYIPGSC	2284.5	6.91	1	1	6990	39
LDELDTGHTSHWMKKRGSC	2314.6	6.91	3	3	5500	58.5
LEAHYKRSMHAQNWWEAGSC	2404.6	6.91	2	2	12490	34.5
LEHKIMVYVWFHTWLMGSC	2494	6.91	1	1	12490	107
LFMHDVYAHNPIYKQGTGSC	2281.5	6.91	1	1	2980	58.5
LGLLSPMRETVVWWHWHGSC	2338.6	6.91	1	1	16500	68
LHFHYVPYWMKTYIEAMGSC	2476.9	6.91	1	1	9970	58.5
LKSYIHPINFYSRDVDHGSC	2351.6	6.91	2	2	2980	73
LLKIHPVQELIKTWHDGSC	2304.6	6.91	2	2	5500	112
LN YMSTHNGAFHGLTITGSC	2124.3	6.91	0	0	1490	63.5
LPFMLQQPMLQHHMVMFMGSC	2375.9	6.91	0	0	0	73
LPHYHNGTGAIKEPIQGSC	2135.4	6.91	1	1	1490	83
LTQFHNQITLFTHSFTWGSC	2368.6	6.91	0	0	5500	58.5
LWNVPPHSVMHRDVFPGGSC	2235.5	6.91	1	1	5500	63
NAGHVSKYDTHRLITEYGSC	2251.4	6.91	2	2	2980	58.5
NAWMSSWHHTQFMVNISGSC	2323.6	6.91	0	0	11000	39
NEHMNLFRFHADIMWRIGSC	2477.8	6.91	2	2	5500	63.5
NFITPYQAHSHSGMISASGSC	2108.3	6.91	0	0	1490	49
NGGHLGNHVMILPWYGMGSC	2143.4	6.91	0	0	6990	73
NGPHHSGVQYWSFYFLAGSC	2257.4	6.91	0	0	8480	39
NHEQQFIYHPLQVNNIKGSC	2369.6	6.91	1	1	1490	73
NIHGHLKLPGYAVYDYGSC	2235.5	6.91	1	1	4470	78
NIWENLHRASPFHNYNYGSC	2422.6	6.91	1	1	8480	44
NLTLMHMGMSHRWQQEGSC	2333.6	6.91	1	1	5500	39
NLVFTHWWLDMKAHSM LGSC	2376.7	6.91	1	1	11000	78
NPVNHKDKIHLWFWDALGSC	2380.7	6.91	2	2	11000	78
NQHVEPTPIAWHTGKAVGSC	2132.3	6.91	1	1	5500	58.5
NQQPKHEEALQLGPYHKGSC	2264.5	6.91	2	2	1490	44
NRMHFMAEDKQVPDMKHGSC	2361.7	6.91	3	3	0	19.5
NTYPSHV GKPHDLTAGWGSC	2127.3	6.91	1	1	6990	39
NWYVPHSH PAPMTWGMQGSC	2286.5	6.91	0	0	12490	19.5
QAPHKKIYATMEEQWHIGSC	2357.6	6.91	2	2	6990	49
QEKHEIYFHRNQIAGAGSC	2301.5	6.91	2	2	1490	68.5
QHDHSQWPRT RTSFVEAGSC	2329.4	6.91	2	2	5500	19.5
QHHVYATILPPGIMANGGSC	2066.3	6.91	0	0	1490	83
QMTRLHTHQAIMVSFQDGSC	2290.6	6.91	1	1	0	58.5
QPMMTQYSHQLSKYEMHGSC	2386.7	6.91	1	1	2980	19.5
QSFIIVPQWHVPVFSHWGSC	2354.7	6.91	0	0	11000	82.5
QSTHVIHYISKMLMDFP GSC	2294.6	6.91	1	1	1490	73
QTWIAHWVMSAIHFIWVGSC	2372.7	6.91	0	0	16500	97.5
QVENVKRIAWHFHQGLDGSC	2324.6	6.91	2	2	5500	73
QVMHQYIVAPMPNAPTHGSC	2181.5	6.91	0	0	1490	58.5
QYEHIWRWYHVPFMIISGSC	2552.9	6.91	1	1	13980	73

QYHVDLQPTAHPPTKNIGSC	2206.4	6.91	1	1	1490	58.5
QYKGTAMINHTPQEHGLGSC	2172.4	6.91	1	1	1490	44
RKNFIHDSRDYHAGMLDGSC	2322.5	6.91	3	3	1490	44
RLDHWEIRYHGNTASNMGSC	2347.5	6.91	2	2	6990	44
RLIMNIASHWHKIELDWGSC	2409.8	6.91	2	2	11000	102.5
RTSRHFYYDAIDHAANVGSC	2283.4	6.91	2	2	2980	49
WAEWSRWGGNHKYDHSVAGSC	2346.5	6.91	2	2	17990	24.5
WARHGDILQYTSYLITHGSC	2321.6	6.91	1	1	8480	83
WDTSQQQSRITHFREWHGSC	2489.6	6.91	2	2	11000	19.5
WEQWWRGHWAGYINNHGSC	2534.7	6.91	1	1	23490	24.5
WEVESYYHMNIQKKHLYGSC	2515.8	6.91	2	2	9970	53.5
WFEHGWFYEDHRSYYKKGSC	2625.8	6.91	3	3	15470	0
WGEFSYLHIQNAHQGWGSC	2348.5	6.91	1	1	12490	44
WGKTADGFFQHIVDTHRGSC	2262.4	6.91	2	2	5500	39
WHDTLVAQPWHNSAVKMGSC	2267.5	6.91	1	1	11000	58.5
WIEQKPMTHWTSGMNVHGSC	2329.6	6.91	1	1	11000	34
WITRFGSHSTNWDGHSEAGSC	2220.3	6.91	1	1	11000	24.5
WMIQFGHPFKSITEHTSGSC	2293.6	6.91	1	1	5500	39
WKNKMPIHRWGSDFHEFGGSC	2345.5	6.91	2	2	11000	19.5
WPFHYATGHRAIGYSDWGSC	2311.5	6.91	1	1	13980	29.5
WPHMHSMPPQFTDAPFKGSC	2332.6	6.91	1	1	5500	5
WPSHNNLILQAHTTWNMGSC	2310.5	6.91	0	0	11000	63.5
WQILTRDTLPWYHVTHVGSC	2412.7	6.91	1	1	12490	87.5
WVQSQQVMPHLEHIFTGSC	2383.7	6.91	1	1	5500	68
WYQKWFPMGHHDTVVLFGSC	2438.8	6.91	1	1	12490	48.5
WYWWHMYFNHISNAQMAGSC	2532.8	6.91	0	0	19480	29.5
YAHYRIERHGWLTLDWDWGSC	2549.8	6.91	2	2	19480	63.5
YATWGWDWKKPHHTIEVGSC	2401.6	6.91	2	2	17990	39
YAWEEFWYLAYKVHRMHGSC	2576.9	6.91	2	2	15470	44
YEHVGTNHLQQNQIFAKGSC	2274.5	6.91	1	1	1490	58.5
YESWTHRVPPSLNHYYIGSC	2459.7	6.91	1	1	9970	53.5
YHAMEKYLHYHMNQKEFNGSC	2493.8	6.91	2	2	4470	24.5
YLRELPTRTDLHQLPFHGSC	2383.7	6.91	2	2	1490	78
YNSRIEFHARFMTWDFHGSC	2504.7	6.91	2	2	6990	24.5
YNYFMNMFHMSHQISTNGSC	2412.7	6.91	0	0	2980	19.5
YPNGDGQPNTAFHFSKQGSC	2145.2	6.91	1	1	1490	5
YSGHRHNVPEIDMRQQFGSC	2361.5	6.91	2	2	1490	34
DEPTKPYHKNYHMNNAQGSC	2334.5	6.91	2	2	2980	5
DFTFSAHRHENMMKGQGGSC	2240.4	6.91	2	2	0	5
DKQVSHAFAGFFMGGHQGSC	2111.3	6.91	1	1	0	24.5
DRDLHNRIWQHGSQMFGGSC	2344.5	6.91	2	2	5500	39
FHGPRDRWHPAIYFFDMGSC	2439.7	6.91	2	2	6990	24.5
FKHRHMDPEQVLVGNMMGSC	2316.7	6.91	2	2	0	48.5
FKLHPYNDHWMTQNWFFGSC	2558.8	6.91	1	1	12490	19.5
FQTAKLFFGYHNHTESSGSC	2261.4	6.91	1	1	1490	24.5
GMIPMHRVHEVWQTTNLGSC	2296.6	6.91	1	1	5500	68
GPDSFNKLDKQYYHYHQGSC	2387.5	6.91	2	2	4470	19.5
GTKVHLDQGPHQPAPSGSC	2013.2	6.91	1	1	0	39
HHDTSSNWTYRYMNVIWGSC	2457.6	6.91	1	1	13980	34
HHTVYAWRLWYEQMGTLGSC	2438.7	6.91	1	1	13980	58.5
HKESQFNHPDLTKQIAVGSC	2239.4	6.91	2	2	0	58.5
HRWHDRAHQMPNAVVTGSC	2293.5	6.91	2	2	5500	58.5

HVSLNHEKVYVLNQTLPGSC	2238.5	6.91	1	1	1490	102
HYWTTYHFRKDDVVVGNGSC	2446.6	6.91	2	2	9970	43.5
IDAPISAHSYHRQETRQGSC	2256.4	6.91	2	2	1490	49
IDRWIVMIWLTEHMHWKGSC	2542	6.91	2	2	16500	92.5
IEPARQNHTIWQHVNAGGSC	2289.5	6.91	1	1	5500	63.5
IHMDRQQSWWHNGESRAGSC	2385.5	6.91	2	2	11000	24.5
ILPMHVRPMMHNSGTESGSC	2184.5	6.91	1	1	0	53.5
IMLHPPWMLIQHTMWNQGSC	2423.9	6.91	0	0	11000	78
IVLHNIDFSWQKSIVFHGSC	2330.6	6.91	1	1	5500	107
KHTNGSHLPVIELQGNMGSC	2122.4	6.91	1	1	0	73
KNPWMNEISMAHRPWDHGSC	2396.7	6.91	2	2	11000	24.5
KVQLQLDVTVMHQAFHTAGSC	2214.5	6.91	1	1	0	78
LLPHTSHVDKKSEIVLIGSC	2176.5	6.91	2	2	0	126.5
LSTENMFGRQHNPESHNGSC	2173.3	6.91	1	1	0	19.5
NALDNNTKLSHRHERNDGSC	2281.4	6.91	3	3	0	44
NDHQNWVLHKSPVALFGSC	2340.6	6.91	1	1	11000	58.5
QRTEWTVEYHHIVQYFRGSC	2539.8	6.91	2	2	8480	48.5
QRYISSEWLANHQNSHLGSC	2330.5	6.91	1	1	6990	63.5
RDHDPIKSSTPHDWGKGGSC	2180.3	6.91	3	3	5500	19.5
RGMDIHWMSYQYITHVPGSC	2381.7	6.91	1	1	8480	53.5
RWPHIRNNNNMSHFFDDQGSC	2461.6	6.91	2	2	5500	19.5
WHAARKWELSDAFIRHTYGSC	2378.6	6.91	2	2	12490	54
WHQMLMKYELGYIHSQYGSC	2474.8	6.91	1	1	9970	58.5
WPFQWATHTQTAHQLQVGSC	2326.5	6.91	0	0	11000	44
WWTSSMPHSYNHSNGGFGSC	2242.3	6.91	0	0	12490	0
WYDDAAPYNALAYHHKRGSC	2338.5	6.91	2	2	9970	39.5
WYFKGASGSEAHHAGLQGSC	2093.2	6.91	1	1	6990	34.5
WYLD SQVNISHMIKNHQGSC	2360.6	6.91	1	1	6990	73
YASFATNHDDRHNKPEGSC	2305.4	6.91	3	3	1490	10
YQLHAQMHITEIWFRAGGSC	2348.6	6.91	1	1	6990	68.5
YVIINDHQVYHWIRTYGGSC	2424.7	6.91	1	1	9970	87.5
YVTMDRYTHFPTLNNHNGSC	2370.6	6.91	1	1	2980	34
DTDHKENRSKYQEHNKQGSC	2404.5	6.92	4	4	1490	0
GHHKMSEFQRIELDIKMGSC	2346.7	6.92	3	3	0	58.5
HILINLPGHNKREWGELGSC	2273.6	6.92	2	2	5500	97.5
HKGYEFMIPHRKDKNEEGSC	2405.6	6.92	4	4	1490	19.5
HNNKESHRQEQQEQKQGSC	2382.4	6.92	3	3	0	0
IENHSRPWWGHKFRDVEGSC	2440.6	6.92	3	3	11000	34
KDREKNENRQNHNSHDTGSC	2369.4	6.92	4	4	0	0
NNASNHGNERKVSVEHQGSC	2167.2	6.92	2	2	0	34
RNDEQHKSTYRNDEQHKGSC	2432.5	6.92	4	4	1490	0
WWERSVGPHGEHDSKWKGSC	2368.5	6.92	3	3	16500	14.5
HHWMEYSEMRRMQSPQVGSC	2479.8	6.92	2	2	6990	14.5
HRMQVQSGKESTHASWEGSC	2245.4	6.92	2	2	5500	19.5
HWEFDAMMEQHRQYRQRGSC	2595.8	6.92	3	3	6990	5
KFPEDWWWVTTTRAHHEYGSC	2505.7	6.92	3	3	12490	19.5
KLIDHLRMNLKKEQHEEGSC	2408.7	6.92	4	4	0	78
LVAEHPDHQEKYVRSRAGSC	2282.5	6.92	3	3	1490	58.5
AHLMAMHRGDQMNFFWAGSC	2310.6	6.95	1	1	5500	34.5
AHVGHGQYPSNPYMWNFGSC	2252.4	6.95	0	0	8480	19.5
AHVNWIWAWMHTRALEGGSC	2325.6	6.95	1	1	16500	68.5
AHWWASDWAMYRPNPHFGSC	2419.6	6.95	1	1	17990	15

ALLSAHHTMRFLFSDQFGSC	2268.5	6.95	1	1	0	68.5
AMWHATHITPLIQGSYYGSC	2236.5	6.95	0	0	8480	68.5
ANHTETKPTFHVNYSGIGSC	2163.3	6.95	1	1	1490	39
ANQHFIIFFTSAGVRHGSC	2221.4	6.95	1	1	0	63.5
ANVHSVGETYHLKYFATGSC	2184.4	6.95	1	1	2980	58.5
APEFYMVHSWNYYHKTGGSC	2377.6	6.95	1	1	9970	19.5
AQSIASWLWSEHRAHTTGSC	2228.4	6.95	1	1	11000	54
ARDNFGGDIRMHGLSVHGSC	2129.3	6.95	2	2	0	58.5
ARVMDDHIQGKHVISTLGSC	2167.4	6.95	2	2	0	92.5
ATDARGQHFEAHWKSFYGSC	2298.4	6.95	2	2	6990	15
AYHSHEQLGLWSRLYVAGSC	2277.5	6.95	1	1	8480	83
AYTWDWWNHFHFWRNIPGSC	2623.8	6.95	1	1	23490	24.5
AYVFGMMYMQDNRNHHAGSC	2332.6	6.95	1	1	2980	24.5
AHHARIKDLFFESQLSAGSC	2217.4	6.95	2	2	0	73.5
VAHHVDLSKMPHKNEINGSC	2216.5	6.99	2	2	0	73
VHHMMGSFHPKGVGLGEGSC	2067.3	6.99	1	1	0	48.5
VIRFFPHHADAIHVFGSC	2317.6	6.99	1	1	1490	78
VKLNSVAHLAHMDTYHLGSC	2196.5	6.99	1	1	1490	97.5
VNHYYYWHFGVFNVFKEHGSC	2470.7	6.99	1	1	8480	43.5
VDSMHWQHNYHNFQARGSC	2374.5	6.99	1	1	6990	19.5
VMEHQTMRMQHHAVDTRGSC	2354.6	6.99	2	2	0	34
EFTWMLNKNEMHRHPPGSC	2428.7	7	2	2	5500	19.5
EGIIQHQLPNTLVYKFHGGSC	2284.6	7	1	1	1490	92.5
EGMHMGTFMIPPGQHKFGSC	2192.5	7	1	1	0	19.5
EHSDLMVWFSSHSAKSRPGSC	2261.5	7	2	2	5500	39
EINMLVRKDAVQHMHTWGSC	2355.7	7	2	2	5500	73
ELANVYLRYQHTKDAHMGSC	2336.6	7	2	2	2980	63.5
ELPTIQHFDKHNHDKFKGSC	2315.5	7	3	3	0	44
ENKVRNTNPHPVDEKHIGSC	2274.5	7	3	3	0	48.5
EPILQQYGYHERARIHTGSC	2358.6	7	2	2	2980	63.5
ERLHFLRPHIAWIPMDVGSC	2377.8	7	2	2	5500	97.5
ESAHSLWFGWRSVRHFDGSC	2364.5	7	2	2	11000	39
ESFLALTGITDHHIKKGGSC	2114.4	7	2	2	0	83
ESISWRPAHSAHTANNMGSC	2156.3	7	1	1	5500	34.5
EWSHSWKFQMTMLITHTGSC	2410.7	7	1	1	11000	39
EYQHVKLPFFLRPSTEHGSC	2375.6	7	2	2	1490	53.5
EHHWERISGYLWKFPYGGSC	2494.8	7	2	2	13980	53.5
ELHAMGIMPIYQGMGHKGSC	2160.5	7	1	1	1490	63.5
ELYNHLRWHGWVYAGVGSC	2348.6	7	1	1	13980	73
EQWGAEIHQTNTGKHGKGSC	2168.3	7	2	2	5500	24.5
DAKMWYYHMYHMHVVSAGSC	2416.7	7.01	1	1	9970	39
DMRQSAQMTYHMHVHTAGSC	2291.5	7.01	1	1	1490	24.5
DSFSPFHMKGTHEHFKGSC	2236.4	7.01	2	2	0	0
DWDSRQINPHIIHHVGRGSC	2327.5	7.01	2	2	5500	73
DWGISHPHAMSTSHRNTGSC	2181.3	7.01	1	1	5500	24.5
DWNGIPQHWHPHWQMRPGSC	2469.7	7.01	1	1	16500	19.5
EGHRPLAEIWNHRWMNFGSC	2440.7	7.01	2	2	11000	44
FHSPWTSHHMNYVQDMRGSC	2420.6	7.01	1	1	6990	14.5
GDFGHWVDHRTQKGPWHGSC	2307.4	7.01	2	2	11000	14.5
GHYMFWGRQHHDVFSFGSC	2484.7	7.01	1	1	12490	14.5
GHYTHVAIQSTLKDALHGSC	2138.3	7.01	1	1	1490	83
GPIYDNVLWKYHHGVAHGSC	2253.5	7.01	1	1	8480	73

HAHHKVMKSGIVDSSDGSC	2108.3	7.01	2	2	0	73
HDSWIHIHQLLFWRMMVGSC	2496.9	7.01	1	1	11000	92.5
HETLSFLHTIRAMKHDPGSC	2280.6	7.01	2	2	0	63.5
HFGSLILHVGYYNPIVHGSC	2213.5	7.01	0	0	2980	107
HFLENMKDMHHL SIRGPGSC	2309.6	7.01	2	2	0	58.5
HFMSHYEYQRM YTHWQGSC	2592.8	7.01	1	1	9970	0
HGPHW TAGAMYSWMHQVGSC	2243.5	7.01	0	0	12490	24.5
HHIIDHLGYVKV FSLW GSC	2324.7	7.01	1	1	6990	126.5
HHMKATIGMIDVW HSLQGSC	2251.6	7.01	1	1	5500	78
HNKDHTHMLIADYKPVY GSC	2329.6	7.01	2	2	2980	58.5
HRPMKGEIAHTDQQSMH GSC	2250.5	7.01	2	2	0	24.5
HSMIWWIHVYPQYGMVH GSC	2431.8	7.01	0	0	13980	68
HSVHLHNIGYAVFMT PFGSC	2217.5	7.01	0	0	1490	73
HTKASHTTVHMETNGQW GSC	2212.4	7.01	1	1	5500	19.5
ITHHNYHNL MFRQWAQDGSC	2458.7	7.01	1	1	6990	44
ITRDPHNSM HGPQH QSSGSC	2176.3	7.01	1	1	0	19.5
IVFKEQPGKPAHSHDHGGSC	2131.3	7.01	2	2	0	39
KLNGWTIPAH IEMHFHVGSC	2277.6	7.01	1	1	5500	78
KRYDNHEHYMFQVIAHVGSC	2434.7	7.01	2	2	2980	53.5
LDRWHGNFP HFRHQD GSGSC	2353.5	7.01	2	2	5500	19.5
LHAIMNIKVFYDHFNLHGSC	2359.7	7.01	1	1	1490	97.5
LHDWKHQMPYNQLVPHLGSC	2403.7	7.01	1	1	6990	73
LHTGSMALWN WHAKYHDGSC	2314.5	7.01	1	1	12490	49
LPIHHYDHQGAQFWSMKGSC	2342.6	7.01	1	1	6990	44
LWFGTMPWHSIRAHDVHGSC	2337.6	7.01	1	1	11000	58.5
NHKAVSNHHAYGDYFWSGSC	2280.4	7.01	1	1	8480	24.5
NNWTHAHHNTLPANYATGSC	2209.3	7.01	0	0	6990	34.5
NWIWKHFGHGDMHESMRGSC	2415.7	7.01	2	2	11000	19.5
QHMNHSQNMHEVLKVLLGSC	2305.6	7.01	1	1	0	87.5
QMFSYTKHHQPEWNHLYGSC	2493.7	7.01	1	1	8480	19.5
RGVHHIHPNIQRSDWDGSC	2327.5	7.01	2	2	5500	73
RLQKHHTHDQFWEAFFAGSC	2445.7	7.01	2	2	5500	29.5
RPSDHHWGKNIMHDQAFGSC	2323.5	7.01	2	2	5500	24.5
YGGMTHPKQHLGAWHEMGSC	2227.5	7.01	1	1	6990	24.5
YLNWIHSSHLGRVVHMEGSC	2325.6	7.01	1	1	6990	87.5
YYSVNPHEFRMMHISHLGSC	2408.7	7.01	1	1	2980	53.5
FGDFAWHHFLSKYSHMSGSC	2344.6	7.01	1	1	6990	24.5
FHPEDHPDPFKRNGKWHGSC	2391.6	7.01	3	3	5500	0
FQLQPQVYDHHKGQHLPGSC	2319.5	7.01	1	1	1490	53.5
GGWQTHPSHPVIVHYLTGSC	2176.4	7.01	0	0	6990	68
HGHMQMNTAYFALAVHMGSC	2206.5	7.01	0	0	1490	49
HKETQNIGHNGWFSHMPGSC	2267.4	7.01	1	1	5500	19.5
HTATDMEYHK TMRHSPAGSC	2260.5	7.01	2	2	1490	10
NIRKEVNWHTHNSADMHGSC	2336.5	7.01	2	2	5500	39
NWIFYHEYSWTRHFHWQFGSC	2718.9	7.01	1	1	19480	0
QSFAQSFLH ENHHMMLRGSC	2360.6	7.01	1	1	0	44
WAPMDNWHVHYVWKQHIGSC	2494.8	7.01	1	1	17990	53.5
YSVYVVHNPYHIHVYLMGSC	2468.8	7.01	0	0	11460	82.5
HRIWKHEYEQKLDH MWGGSC	2540.8	7.02	3	3	12490	39
IRWYRQKEYFTHHEHMEGSC	2637.9	7.02	3	3	8480	19.5
KASVTEEHPPRAHHGAIGSC	2084.3	7.02	2	2	0	49
NKHRDNPVRIEHEPNHWGSC	2425.6	7.02	3	3	5500	34

RNPDTDWHKGVFREGHHGSC	2335.5	7.02	3	3	5500	14.5
FWEHHVFHSSRRDGWASGSC	2388.5	7.02	2	2	11000	19.5
HHHKENVTPRELQFSVWGSC	2391.6	7.02	2	2	5500	48.5
HPRWEQEPLHHMSYQGRGSC	2435.6	7.02	2	2	6990	19.5
AGGQHDPHQHATGIQKGSC	2057.1	7.05	1	1	0	29.5
ALHSGHKMGTSIYFHELGSC	2175.4	7.05	1	1	1490	63.5
VHNHHKEFKNHGEGFPMGSC	2292.5	7.06	2	2	0	14.5
VHVHVHPIKMTEGHAQQGSC	2195.5	7.06	1	1	0	68
VRYYHSDHHAYPMGTQHGSC	2346.5	7.06	1	1	4470	19.5
VLSAHMHSGYHNGVQHIGSC	2134.3	7.06	0	0	1490	73
WEVYHHKSGVVHHYNYIGSC	2415.6	7.08	1	1	9970	63
YHKHGDQGVTDHMYHTGSC	2329.5	7.08	2	2	2980	14.5
DQDTAVHWWKWAKHHHNGSC	2443.6	7.09	2	2	16500	24.5
FEHKKHIWFNHPASGEHGSC	2348.5	7.09	2	2	5500	24.5
HIYHITHDYRNEYFHRGSC	2611.8	7.09	2	2	5960	39
IVSSWSVHLHWHYSGHAGSC	2250.4	7.09	0	0	12490	73
NPHSHRMHTGRVHLEDYGSC	2333.5	7.09	2	2	1490	34
QHTHPHVQSQMTPFHAAGSC	2201.4	7.09	0	0	0	24.5
QNHKHWNNHHNEGRADTTGSC	2329.4	7.09	2	2	5500	5
WWIHEYHTSRNVALIHHGSC	2446.7	7.09	1	1	12490	78
DGFVAPPHAHHGRISHSGSC	2069.2	7.09	1	1	0	44
HDIHLFNSHYQPHRIASGSC	2319.5	7.09	1	1	1490	63.5
HHSTLVMIWVNQHWFIGSC	2432.8	7.09	0	0	11000	87.5
IGMIHLSAQFHSGHQSHGSC	2134.3	7.09	0	0	0	63.5
EHTHHYKNRQDSQKRDDGSC	2441.5	7.1	4	4	1490	0
EHWMHKAPRYSLWDGHVGSC	2396.6	7.1	2	2	12490	39
ERIYRDHFIHEHKANIIGSC	2438.7	7.1	3	3	1490	83
EVNRSATMHHQKVWEFHGSC	2383.6	7.1	2	2	5500	34
EWHHKGTWYNSNSNHPMGSC	2372.5	7.1	1	1	12490	0
EWRGAHDRNHHTDRWANGSC	2405.5	7.1	3	3	11000	10
EGAQTRYFVMHHMHFVFGSC	2384.7	7.1	1	1	1490	34
PYAYYHVMYFWNVSKEAGSC	2415.7	7.11	1	1	11460	39
PDSARNAHKQNMLSNDMGSC	2176.3	7.12	2	2	0	29.5
PDSSGTYHNRGTQTNGWGSC	2125.1	7.12	1	1	6990	0
PEQMMFGMFRYYTHPFNGSC	2443.8	7.12	1	1	2980	0
PETKFYTIQAVWGTPNHGSC	2236.4	7.12	1	1	6990	39
PFRFGNTEPYWFPTPHIGSC	2353.6	7.12	1	1	6990	19.5
PGIMHKLYTLFLLQFENGSC	2311.7	7.12	1	1	1490	97.5
PGLTHNTLQYMATVLSVGSC	2092.4	7.12	0	0	1490	92.5
PGSELAQTSPIAFHLKQGSC	2071.3	7.12	1	1	0	68.5
PHMIAWKQLFMLQYLSDGSC	2368.8	7.12	1	1	6990	83
PHMIPFPWAFMKEASQWGSC	2350.7	7.12	1	1	11000	29.5
PKIVDHKGMSSGWYAWEGSC	2238.5	7.12	2	2	12490	39
PKMLTNMWEQWGPI LGHGSC	2285.6	7.12	1	1	11000	58.5
PLMWWEQQWYAHKLMNWGSC	2595	7.12	1	1	23490	44
PMGKYKIQQQGEEMVHYGSC	2313.6	7.12	2	2	2980	34
PQAEGVPAFVHRNYGFVGSC	2135.3	7.12	1	1	1490	53.5
PQLSATAMHVLLFIIQTGSC	2130.5	7.12	0	0	0	122
PTLQWKWKHGNWDTFVGSC	2405.6	7.12	2	2	16500	34
PWPTNASMIGHIYAGVAGSC	2032.3	7.12	0	0	6990	68.5
PYFFLERGSPQWWYSSHGSC	2434.6	7.12	1	1	13980	19.5
PYPIGMTIRHYNVWQEWGSC	2437.7	7.12	1	1	13980	53.5

VVVGHHVHIHFHWFIWGWSC	2368.7	7.12	0	0	11000	102
PHSWNKTNDGIQGFVNGSC	2174.3	7.12	1	1	5500	53.5
PIDIAWRHFYLYMPATIGSC	2354.7	7.12	1	1	8480	88
PIITGDNPKQHVMWNPWGSC	2241.5	7.12	1	1	5500	53.5
PIMVYTLVFISTPEKWHGSC	2308.7	7.12	1	1	6990	87.5
PLADWYYAAGGTRTWSHGSC	2199.3	7.12	1	1	13980	34.5
PLYVAPERHIQIAFYWGGSC	2307.6	7.12	1	1	8480	83
PQGSYPKFMFLPHTVDVGSC	2210.5	7.12	1	1	1490	48.5
PWSTGKTQPHDSDGRAWGSC	2173.3	7.12	2	2	11000	5
PAHPATQSEQQWIGQRGSC	2209.3	7.13	1	1	5500	29.5
PAHQPIWFMYERRADSMGSC	2382.7	7.13	2	2	6990	29.5
PAQFFLETNPHEFFRRMGSC	2400.7	7.13	2	2	0	24.5
PMHDPAERGTSWANAKFGSC	2162.3	7.13	2	2	5500	15
PTANIHPVERVFKFDDKGSC	2260.5	7.13	3	3	0	53.5
PAMEPWLRMHLVIQWWNGSC	2454.9	7.13	1	1	16500	78
PIQAWGKWHVWLREEPYGSC	2442.7	7.13	2	2	17990	58.5
PSKMHNSLAEKEQPEKAGSC	2171.4	7.13	3	3	0	29.5
PVIEIGDLRMVAQMOKHGGSC	2212.6	7.13	2	2	0	92.5
HVLHSHKYTDIWFHPHNGSC	2415.6	7.14	1	1	6990	53.5
PEGQGWREPRFHQWQKEGSC	2442.6	7.14	3	3	11000	0
PQNRNEERRSGDVDNHKGSC	2298.3	7.14	4	4	0	14.5
HHVWHWVVFQYHIKHDGSC	2528.8	7.14	1	1	12490	82.5
LNHLHKWRNHHLENAHDGSC	2418.6	7.15	2	2	5500	63.5
PFYQSSPSDIPKNHFTHGSC	2249.4	7.27	1	1	1490	19.5
PTINPVPSEHPKLHYLLGSC	2202.5	7.27	1	1	1490	92.5
PYFNSAKPNHHEIFITFGSC	2309.5	7.27	1	1	1490	44
PHSPVIYAQEPFKQGHVGGSC	2181.4	7.27	1	1	1490	53.5
PHTAYERKHYSLIFMPGSC	2366.6	7.27	2	2	2980	44
PIHGFIYNNHKWMDFPMVGGSC	2380.7	7.27	1	1	6990	34
PIKELDYTLHLHKTLSLGGSC	2268.6	7.27	2	2	1490	117
PIYHMPPFLGNQGHWDWKGSC	2284.5	7.27	1	1	6990	39
PGQFHADFNSVDRHKLTHGSC	2216.4	7.28	2	2	0	39
PGQMFHMQWQFHQMRDQPGSC	2448.7	7.28	1	1	5500	0
PHPNQVSGGHVVIRENQGSC	2115.3	7.28	1	1	0	63
PMTVRWHDGMHGFKISEGSC	2275.6	7.28	2	2	5500	34
PRSNHAIVTWMIYELHMGSC	2345.7	7.28	1	1	6990	78
PTHSWTHGAALSINVTIGSC	2052.2	7.28	0	0	5500	83
PVFFIYNHGLSVVHSMWGSC	2280.6	7.28	0	0	6990	82.5
PDMQQGDKHSHRNERFWGSC	2415.6	7.28	3	3	5500	0
PIFGHHWVWTIMMGEKWGSC	2402.8	7.28	1	1	16500	53.5
PIHVLMMVHVPGWSQFGQGGSC	2179.5	7.28	0	0	5500	82.5
PIQEQVNAHRWVHIPFGGSC	2275.5	7.28	1	1	5500	73
PIRPQTHAEIFMSQYPHGSC	2299.6	7.28	1	1	1490	44
PIVMEVVNKMHHNFPVGWGSC	2195.6	7.28	1	1	0	77.5
PLHQHNTHTYTATLSYIGSC	2244.4	7.36	0	0	2980	63.5
PMKWVMSREDIHFHAHQHGSC	2396.7	7.37	2	2	5500	39
PQKPHPSWWGEMHLKEHGSC	2371.6	7.37	2	2	11000	19.5
PSHYLQTYVFRNHMETHGSC	2407.6	7.37	1	1	2980	34
PVYVHYRDRHLFHAFTEGSC	2434.7	7.37	2	2	2980	53.5
PHHIARFHIIKWFSEPDGSC	2377.7	7.37	2	2	5500	63.5
PIDRHDWKHHIGSAVSLGGSC	2215.4	7.37	2	2	5500	78
TGKPYLQYKWQWYWEVGGSC	2535.9	7.81	1	2	20970	53.5

TMAYWKQATKGDEPSYKGSC	2251.5	7.81	2	3	8480	10
TIPVFYSYKKFNGADNAGSC	2182.4	7.83	1	2	2980	44
TQPPKSGTKQYMMDIWYGSC	2321.6	7.83	1	2	8480	19.5
TFQKAGYITQYVYPMLLGSC	2283.6	7.83	0	1	4470	78
TMWKFYGDTYYSFWHKQGSC	2535.8	7.84	1	2	15470	0
TERDKSIFWLFKTQKIDGSC	2402.7	7.85	3	4	5500	58.5
TLLVKKDLTLVAKVVEVGSC	2115.6	7.85	2	3	0	155.5
TNAKKNMWWDDWTKSVPGSC	2354.6	7.85	2	3	16500	19.5
TNKTQNKDPFNTGKDNGSC	2170.3	7.85	2	3	0	0
TPKMPYPIITYQASTPPGSC	2152.5	7.85	0	1	2980	44
TQVSRFNRFKGENYMDYGSC	2402.6	7.85	2	3	2980	14.5
TREVRWKMFTMFLYYEGSC	2561	7.85	2	3	8480	53.5
TRLVWQEYRKAIMYWEQGSC	2547.9	7.85	2	3	13980	58.5
TSKAKYFPWVPAMDIMGSC	2217.6	7.85	1	2	6990	24.5
TVLALLKTVLTEDLKKTGSC	2133.5	7.85	2	3	0	131.5
TWDRMKAEWKAFYVVPISGSC	2387.8	7.85	2	3	12490	58.5
TARYDWQRYIFTQVVTIGSC	2407.7	7.86	1	2	8480	73
TNYRIYFQPGMFGSPLLSC	2251.6	7.86	0	1	2980	58.5
TRLFTAYYSPMQGGLMGSC	2140.4	7.86	0	1	2980	44
TAPFSSAYNYVMVMIRAGSC	2168.5	7.86	0	1	2980	63.5
TDMIRFNINWSVPKLSYGSC	2331.6	7.87	1	2	6990	73
TKEAPKPMFMRQSDNPAGSC	2195.5	7.87	2	3	0	10
TLLDSEASAKTGRLSKGSC	2037.3	7.87	2	3	0	88
TPATEWMNKKWNPPDRFGSC	2365.6	7.87	2	3	11000	5
TSVTKPQPYQLTMRWEWGSC	2398.7	7.87	1	2	12490	34
TWVMKSNGMKAIVDPLVGSC	2136.5	7.87	1	2	5500	87.5
SNYTKNYTYYYYWAHHYGSC	2584.7	7.87	0	1	15930	5
TGQMPNSQERANYPKVIGSC	2180.4	7.87	1	2	1490	39
TLNKRRSWRDGTADGEGSC	2362.5	7.87	3	4	6990	24.5
SENDTNKNEKKWFMPVKGSC	2342.6	7.88	3	4	5500	14.5
SKKQAGYGPQEGYLNSSGSC	2061.2	7.88	1	2	2980	24.5
SQMTLADYSEVKNKRTYGSC	2281.5	7.88	2	3	2980	39
STLNKNKAYRGQYDEERGSC	2319.4	7.88	3	4	2980	24.5
TGYAQVIYHRANAKDFQGSC	2229.4	7.88	1	2	2980	49
THDKKMQLQNIKDGGGQSC	2201.5	7.88	2	3	0	58.5
THRLNLNKPLYEMAQYAGSC	2309.6	7.88	1	2	2980	68.5
TQTMKQMNWKGSHNYNEGSC	2344.5	7.88	1	2	6990	0
SEGAYGYPQKYFVLLQRGSC	2266.5	7.88	1	2	4470	58.5
TGMHTKMWYWIYMMWLSGSC	2513	7.88	0	1	19480	39
TYWERKKIHLLMIVEQVGSC	2433.9	7.88	2	3	6990	107
TDAQIRLQDQLATWKFRGSC	2337.6	7.89	2	3	5500	68.5
TDLFAYMGLRLMMARMWGSC	2353.8	7.89	1	2	6990	68.5
TGGDLQFMPMKRLWNLTGSC	2255.6	7.89	1	2	5500	58.5
TLAPWQGLKIWERQVPNGSC	2283.6	7.89	1	2	11000	78
TMNAESVWTRGNPSKAFGSC	2143.3	7.89	1	2	5500	24.5
TMQTFNWGPRSPWWIYGSC	2430.7	7.89	0	1	17990	39
TNRGALMKNGSMEIILIGSC	2108.5	7.89	1	2	0	102.5
TPSARPQWWNYVFPFSWGS	2416.7	7.89	0	1	17990	19.5
TQKNPDMGGLPRFISIFGSC	2168.5	7.89	1	2	0	58.5
TREKGYHFHKQTTYLTGSC	2372.6	7.89	2	3	2980	19.5
TRMPFFNFYRNALSDFIGSC	2336.6	7.89	1	2	1490	44
TVSNPTWMRWFYTQAFIGSC	2395.7	7.89	0	1	12490	39

TGTDFRGAFSVQKTIPWGSC	2158.4	7.89	1	2	5500	39
TIFWKFNRLVDFTGNGSC	2306.5	7.89	1	2	5500	53.5
TMRQVTTAGTSNETNMKGSC	2117.3	7.89	1	2	0	19.5
MKYNVPMYGYAWDRWTYGSC	2491.8	7.9	1	2	16960	19.5
SDQVIRGFKDVWQYKWFSGSC	2449.7	7.9	2	3	12490	48.5
SFIGSMINWYMGKYWMTGSC	2362.7	7.9	0	1	13980	39
SNRNGMLGDLWWYKTYMGSC	2382.7	7.9	1	2	13980	39
SRMTRWTYGGEVWWYDKGSC	2468.7	7.9	2	3	19480	14.5
SVYQQYSRKDNMFLPFVGSC	2369.7	7.9	1	2	2980	48.5
TDRVPKHQRLERDPPGYGSC	2311.5	7.9	3	4	1490	34
TEPMVSYVHWYWWFRWRGSC	2677	7.9	1	2	24980	29
TIVPGWYYHTQIWMNRTGSC	2413.7	7.9	0	1	13980	53.5
TRPQLMYIDMHVSFKGGGSC	2227.6	7.9	1	2	1490	53.5
TTTEPLKVLGAKEHRWTGSC	2214.5	7.9	2	3	5500	58.5
TVLNHNKAALVKALVSEGSC	2054.3	7.9	1	2	0	117
TWGMIGYQIHRPYFFVTGSC	2363.7	7.9	0	1	8480	53.5
SDFKLEEKRISFYPRTAGSC	2334.6	7.9	3	4	1490	44
SPKNSPQSQGAIEVYKWGSC	2166.3	7.9	1	2	6990	39
SYytiQRTMTIAKAIEFGGSC	2227.5	7.9	1	2	2980	49
TDKHVSRSRDWKPLFELGSC	2361.6	7.9	3	4	5500	53.5
TKGDSQVFFHERISMQKGSC	2285.5	7.9	2	3	0	34
SETQYKHPAEKTPGWRYGSC	2325.5	7.91	2	3	8480	5
SYLKPGYVIMHVQQPKEGSC	2264.6	7.91	1	2	2980	68
TLQRTWRRPLLEDLPWWGSC	2513.9	7.91	2	3	16500	78
TQIQWMTQGTIFNRPVQGSC	2295.6	7.91	0	1	5500	53.5
TRITNQTNIAQDPTWFRGSC	2309.5	7.91	1	2	5500	44
TWVPSIQQNFFMAQGARGSC	2228.5	7.91	0	1	5500	44
MKQNMKYEYNVPDWFRLGSC	2509.9	7.92	2	3	8480	34
SDALQKVFAQYMRVSIWWGSC	2404.7	7.92	1	2	12490	73
SEKNTNLFFTKTFLNAGSC	2235.5	7.92	1	2	0	63.5
SFSYETWRSNKGMDIRVGSC	2323.5	7.92	2	3	6990	34
SIKLMESSKPMSPFLSSGSC	2116.4	7.92	1	2	0	58.5
SIPAVWYWQALNKNQGFGSC	2269.5	7.92	0	1	12490	63.5
SIVGYLPARERDRVKDSGSC	2208.4	7.92	3	4	1490	73
SMKNNWGAIPVLKDGTVGSC	2077.4	7.92	1	2	5500	73
SVAVMRDVSCKPQTDTTGSC	2110.3	7.92	2	3	0	48.5
SYPLVSVFLNNKAFFPSGSC	2177.5	7.92	0	1	1490	73
TEAMFRFPTEKAHRFWGSC	2398.7	7.92	2	3	5500	10
TFSPVVIATGVKWHTGVGSC	2046.3	7.92	0	1	5500	82.5
TGHRPNGYSMTLVPATMGSC	2080.3	7.92	0	1	1490	39
THHKHTDTVNEIKGMYKGSC	2286.5	7.92	2	3	1490	34
THRAFGSRQYNDNNVTAGSC	2198.3	7.92	1	2	1490	24.5
THRVRQIDQDENSQFRKGSC	2404.6	7.92	3	4	0	34
TLFLHGILNDIVKRAFNGSC	2218.6	7.92	1	2	0	117
TLRHSEKFLLLTMPVWVGSC	2317.7	7.92	1	2	5500	107
TMINIRGKGHSAFMETVGSC	2139.4	7.92	1	2	0	58.5
TNWMKHIIIPNVFAFVNNGSC	2292.6	7.92	0	1	5500	73
TPPLSSRWEHWFNMQNKGSC	2405.6	7.92	1	2	11000	19.5
TRGLIRMIHDKLQQADWGSC	2328.6	7.92	2	3	5500	83
TVHIMVNVMGTPVMSSKGSC	2078.5	7.92	0	1	0	77.5
TVNMAHKGIFNSTTLWGSC	2198.5	7.92	0	1	5500	58.5
TWYRVTIAEMVNIHMGRGSC	2324.7	7.92	1	2	6990	73

TYGQDRVHRGLFNSSDRGSC	2255.4	7.92	2	3	1490	34
TYHKDMHAWYHTLFSAGSC	2383.6	7.92	1	2	8480	29.5
TYHNGMIRSTNMFMVFNGSC	2310.6	7.92	0	1	1490	34
MNEMKPVQGPPEKVKDKGSC	2202.5	7.92	3	4	0	29
SNGIQTPYSRPWTEVGKSC	2167.3	7.92	1	2	6990	34
MIQWNNYQKKDFGWTAFGSC	2424.7	7.93	1	2	12490	24.5
MPAQVIYLVNYVKTQMNGSC	2259.6	7.93	0	1	2980	87.5
MPIMQSDFKNKGYTWNNGSC	2321.6	7.93	1	2	6990	19.5
MSKREGNYNGMKWNVSDGSC	2263.5	7.93	2	3	6990	14.5
MYDAATNFFMDSKGVKRGSC	2228.5	7.93	2	3	1490	24.5
SDAFGHFQYMGTIMRKYGSC	2299.6	7.93	1	2	2980	24.5
SFDFIQTNWVGHWNKKYGSC	2417.6	7.93	1	2	12490	34
SHYETQKRKAFTQILNEGSC	2340.6	7.93	2	3	1490	44
SKTQTRNKHDRKDDEQNGSC	2347.4	7.93	4	5	0	0
SNHYFFPQIESAKTRNQGSC	2330.5	7.93	1	2	2980	24.5
SPSIHTTTYEHTKYPWKGSC	2323.5	7.93	1	2	8480	19.5
STAYPTVTMNSIGHYRGSC	2208.4	7.93	0	1	4470	39
SVWNAYWNQKHDVLIKFGSC	2395.7	7.93	1	2	12490	73
TFKDTGYHKLGLHGLHGSC	2218.5	7.93	1	2	1490	58.5
THFDKKHAIIMFILMGNGSC	2263.7	7.93	1	2	0	83
TKAVEFHQTIDSRHPYRGSC	2332.5	7.93	2	3	1490	39
TKILYDQTAHPRHNPTGGSC	2196.4	7.93	1	2	1490	44
TYAQHEQKITHQWRVPQGSC	2397.6	7.93	1	2	6990	39
MKPLYDSPKPAGNIFNMGSC	2170.5	7.93	1	2	1490	44
MKVAVDVVKYWGQNTMGSC	2229.6	7.93	1	2	6990	82.5
MLYKLTLMWVWVQSGPYGSC	2362.8	7.93	0	1	13980	87.5
SAYRWNVSHKYPPPDAMGSC	2266.5	7.93	1	2	8480	24.5
THGKERLWTPYHFSGFGSC	2311.5	7.93	1	2	6990	19.5
TNGKGHNPHADVLSKIGSC	2048.3	7.93	1	2	0	78
MADIDFIYVKWWMKKAHGSC	2429.9	7.94	2	3	12490	63.5
MMNESHVPWRKYFYFNGYGSC	2469.7	7.94	1	2	9970	14.5
MVMSSFSYIGSNIHYKYGSC	2274.6	7.94	0	1	4470	53.5
SAMKRIQESSAERRFSEGSC	2259.5	7.94	3	4	0	29.5
SEIQPQVYSNPPNGRRNGSC	2203.3	7.94	1	2	1490	34
SFQTQATFPAKGNIQFPGSC	2129.3	7.94	0	1	0	29.5
SKFRDVLTFNEPSRFVSGSC	2276.5	7.94	2	3	0	48.5
SMKLWVWVFRGNGNAEGSC	2240.5	7.94	1	2	11000	68
SMWSWLRNGAGIFSWKEGSC	2302.6	7.94	1	2	16500	44
SNETENRSGWLRFTVKWGSC	2357.5	7.94	2	3	11000	34
SNFFSWIWAKMNNQMERGSC	2436.7	7.94	1	2	11000	24.5
SNSYFRMGFDNIPIRTAGSC	2236.5	7.94	1	2	1490	44
SPGDLLIQLTKIINRQWGSC	2242.6	7.94	1	2	5500	117
SSMPNAWGKVPLPTNFGGSC	2050.3	7.94	0	1	5500	39
STVWVVPQQKVQPLLTGSC	2217.6	7.94	0	1	5500	97
TILRNIIIFIHTWITVGSC	2257.7	7.94	0	1	5500	151
TQIRQQMLNHSFDSVRGGSC	2264.5	7.94	1	2	0	53.5
TRFSMEILTQGQHPSRMGSC	2266.5	7.94	1	2	0	39
MLGRKKYIQHTEDYANPGSC	2311.6	7.94	2	3	2980	44
SLINPLFYGSIIAMRNGGSC	2113.4	7.94	0	1	1490	102.5
TMRTMLFDTRDIHRSAGWGSC	2384.7	7.94	2	3	5500	44
TPNNMNGSARLWSTQHIGSC	2174.3	7.94	0	1	5500	44
TRFQQRFRHEGTDSTWIGSC	2412.6	7.94	2	3	5500	19.5

MDINKIGVSRKQDNSGIGSC	2122.4	7.95	2	3	0	73
MFDYRIQLRGRYPVEWGGSC	2433.7	7.95	2	3	8480	53.5
MFFGGWMKTAPANNNFGSC	2243.5	7.95	0	1	6990	10
MFINYRTDRYWVWTRTEGSC	2584.9	7.95	2	3	13980	34
MIFDPQKYVPIRPNLQQGSC	2334.7	7.95	1	2	1490	73
MIVFGIMSLNYWIVKNAGSC	2246.7	7.95	0	1	6990	112
MKPLISYGPWFGPLLWGSC	2223.6	7.95	0	1	12490	83
MKSSASRPDNLGGLKVGSC	2022.2	7.95	2	3	0	58.5
MLWWQYNTADWAKINFRGSC	2490.8	7.95	1	2	17990	49
MMKDLGRVMDFDMLSKRGSC	2320.8	7.95	3	4	0	53.5
MQIYFRAFGYMQQVFQNGSC	2418.7	7.95	0	1	2980	39
MRPDAAILNKKATETATGSC	2078.3	7.95	2	3	0	59
MSFIKNTLVWFYVNMFMFGSC	2418.9	7.95	0	1	6990	68
MSGWPMVMFPDVLKGRYGSC	2261.7	7.95	1	2	6990	48.5
MVGLVKMPVPSKDPTAIGSC	2030.4	7.95	1	2	0	87.5
MYMTFAPFRKRSEIAIEGSC	2337.7	7.95	2	3	1490	49
MYQDMRWIYRRSFMMDGSC	2608.1	7.95	2	3	8480	19.5
RLEILVCTKVILPCSYSGSC	2184.6	7.95	1	2	1615	126.5
SFTFNWLKTDKSGMHGGSC	2190.4	7.95	1	2	5500	19.5
SGMHIVLRNGKMFEYSMGSC	2247.6	7.95	1	2	1490	53.5
SGREHELKPAWYNLGRGSC	2261.5	7.95	2	3	6990	44
SHGNSWYIGMQSNSKSTGSC	2131.2	7.95	0	1	6990	19.5
SIGIYGHAIARPGGWYFGSC	2112.3	7.95	0	1	8480	68.5
SKVYTRMGRDIEIREGHGSC	2294.5	7.95	3	4	1490	53.5
SMLRHMPYQQAQMMDKGSC	2329.7	7.95	1	2	1490	24.5
SRDAGLQYPYHRWLTGWGSC	2353.6	7.95	1	2	13980	44
SRQGLHYNLDGLKPIFPGSC	2202.5	7.95	1	2	1490	78
SWAMTKDVQERIHNFKVGSC	2336.6	7.95	2	3	5500	53.5
SWAVPHGTPWKDWGNMKGSC	2244.5	7.95	1	2	16500	19.5
SWIHGWLTITIYGFKERGSC	2354.7	7.95	1	2	12490	78
SYMLYHHFIWFKTHYSQGSC	2535.8	7.95	0	1	9970	39
SYSVWTPNIGVVIHKSNGSC	2148.4	7.95	0	1	6990	82.5
THRTYDNPNWSTRANLHGSC	2330.4	7.95	1	2	6990	24.5
MIPGSAPNIKLIGAYLGGSC	1962.3	7.95	0	1	1490	107.5
MPGIMAFSIGDTTIQKKGSC	2085.4	7.95	1	2	0	63.5
MQNWMALAYNRFPYMPNGSC	2394.7	7.95	0	1	8480	29.5
SATTIWKQVSWYWHWERGSC	2511.8	7.95	1	2	23490	39
SPHRQNVYDWSAKLAAPGSC	2187.4	7.95	1	2	6990	49
TIIQWVPHYNVRSGHGFGSC	2258.5	7.95	0	1	6990	68
MHIRTNESYNTYGKIVNGSC	2287.5	7.96	1	2	2980	53.5
MKPLYQGADMSFFFHRYGSC	2385.7	7.96	1	2	2980	24.5
MNYKNVNYTKHQGHLNDGSC	2323.5	7.96	1	2	2980	34
MQWHSNYMMKRPNPELGSC	2472.8	7.96	1	2	8480	19.5
MQWYQFARYLAVPTYHNGSC	2435.7	7.96	0	1	9970	44
MTAYNAAMNRHKYVPDPGSC	2226.5	7.96	1	2	2980	29.5
SRFGQPGPRWSSLDWTMGSC	2255.5	7.96	1	2	11000	19.5
STQTPLPGRWILQWWVMGSC	2346.7	7.96	0	1	16500	73
MNNHQTKWLGDKPPQYWGSC	2390.6	7.96	1	2	12490	19.5
MYKNRLHSGPSDMNYNWGSC	2360.6	7.96	1	2	8480	19.5
SGRHFQGIKAPTDGPAGGSC	1943.1	7.97	1	2	0	29.5
SIGSVGAGAPTRYIVNHGSC	1946.1	7.97	0	1	1490	78
SIIMSMVHVHVKRFYTEGSC	2324.7	7.97	1	2	1490	82.5

SITGSLTLVKTHALREGSC	2074.3	7.97	1	2	0	97.5
SKITGILVHVMVNTVQWGSC	2172.5	7.97	0	1	5500	116.5
SKQIHLDRGITLPNFTIGSC	2200.5	7.97	1	2	0	97.5
SKQMMPLHKDITGQHFNGSC	2259.6	7.97	1	2	0	39
SKRNTKQSEHHSDEKHSFGSC	2282.3	7.97	3	4	0	0
SKTPAKGHTPQIHSDITGSC	2065.2	7.97	1	2	0	44
SMKMVQPGHLLISYGHQGSC	2173.5	7.97	0	1	1490	73
SPWGSQPTSVPRREMFGGSC	2166.4	7.97	1	2	5500	14.5
SQKNFMPHKIHEINGAAGSC	2169.4	7.97	1	2	0	49
SQVLFNPMNWWKIVAPHGSC	2314.7	7.97	0	1	11000	73
SSKQVQMHHMYQIHSTPLGSC	2262.6	7.97	0	1	1490	53.5
TIHVASIRHITNDMGRFGSC	2215.5	7.97	1	2	0	78
TRRGMVIPHLQAHDNAMGSC	2194.5	7.97	1	2	0	63.5
SFIERMHRAGYFAGVWQGSC	2302.6	7.97	1	2	6990	44
SGHWPNPFIYINGPRWFIGSC	2335.6	7.97	0	1	12490	39
SGLMHRWTQLWQSGFAYGSC	2315.6	7.97	0	1	12490	44
SMLHAPKTTSPSPNYFHGSC	2162.4	7.97	0	1	1490	24.5
SSQQHAPIGQGVKQVALGSC	1995.2	7.97	0	1	0	78
STHNWLAKIAGSYHQLFGSC	2220.4	7.97	0	1	6990	68.5
TVWHTSLREEERPRNHRGSC	2450.6	7.97	3	4	5500	34
MAARVFRQDGRDTRYETGSC	2319.5	7.98	3	4	1490	24.5
MEDKVMMWMTMKIHKHFLGSC	2453	7.98	2	3	5500	53.5
MEGGHKIMIPRVIVDKPGSC	2167.6	7.98	2	3	0	87.5
MFAAHHTDRQSYYKFIAGSC	2333.6	7.98	1	2	2980	34.5
MFVPTYRANTNNLMVLIGSC	2244.6	7.98	0	1	1490	92.5
MFWKELLSLWNNHGKNTGSC	2365.7	7.98	1	2	11000	58.5
MGMATDWVTTSKRFPAAGSC	2117.4	7.98	1	2	5500	29.5
MGMKWFAFHMYMRIFVDVGSC	2425.9	7.98	1	2	6990	53.5
MGWIIPMSDWTFGWAKRGSC	2329.7	7.98	1	2	16500	44
MHYVWTVHGYMPAQFKWGSC	2428.8	7.98	0	1	13980	34
MKDEHVWMFRASRVYIGSC	2428.8	7.98	2	3	6990	73
MKETSYGSDMLNTRRVHGGSC	2272.5	7.98	2	3	1490	34
MKFGFIINRQLPDQWVGGSC	2296.6	7.98	1	2	5500	73
MLGRYTQSSTFYHTSLAGSC	2210.4	7.98	0	1	2980	44
MMPQPIKWHFQAQVFYNGSC	2412.8	7.98	0	1	6990	39
MNSGVRWLHSYYKESHMGSC	2372.6	7.98	1	2	8480	34
MQMPSFYRGSLPDKHSTGSC	2229.5	7.98	1	2	1490	19.5
MRSHIGKDTGLVEGTPKGSC	2073.3	7.98	2	3	0	53.5
MSFERKAYWIINLHIMIGSC	2412.9	7.98	1	2	6990	102.5
MSVRQRANEMMVMSPSYGSC	2264.6	7.98	1	2	1490	34
MTMWVIIRYHQGDLQGGKSC	2323.7	7.98	1	2	6990	73
MVTRTWGVISPDVVFKGSC	2139.5	7.98	1	2	5500	77.5
MWERGTNSHYNRGMYILGSC	2375.6	7.98	1	2	8480	39
MWKFQPRSDNPNRWNDGSC	2409.6	7.98	2	3	11000	5
MWKFVTSWVTANGMAGLGSC	2146.5	7.98	0	1	11000	58.5
MWMANMNQVSGDFVRKNGSC	2275.6	7.98	1	2	5500	34
MWMLYSYIQNHFLLLRGTGSC	2476.9	7.98	0	1	8480	97.5
MWWRAQTKDNATPSFSVGSC	2272.5	7.98	1	2	11000	24.5
MYWANAINFPRGYTHVWGSC	2373.6	7.98	0	1	13980	44
TKTREHARHFFEMHPMPGSC	2399.7	7.98	2	3	0	5
MIIQQWMQGNPTKEYHRGSC	2407.7	7.98	1	2	6990	39
MRVRYFVNQTVPLFTQDGSC	2361.7	7.98	1	2	1490	63

MWRNNVIVSDMMGLKLGSC	2211.6	7.98	1	2	5500	87.5
SAFLNQVHVANPALLVRGSC	2096.4	7.99	0	1	0	117
SAGKHHFMAVGSAISTVGSC	1947.2	7.99	0	1	0	63.5
SAVMRGIHWKDSHVQQSGSC	2213.4	7.99	1	2	5500	53.5
SLNKYVHIVHHTHYGMGGSC	2240.5	7.99	0	1	2980	68
MEAHYFPRVMRNSMPVMGSC	2343.8	8	1	2	1490	34
MEEKVTRRLGPHTQWGGGSC	2229.5	8	2	3	5500	34
MESTHKNTPRLSMQSSGGSC	2138.3	8	1	2	0	19.5
MFSPRWVRQVLNMELLMGSC	2397.9	8	1	2	5500	87.5
MGNAAQSKPNSGSSTLHGSC	1934	8	0	1	0	29.5
MLDSGHVKSRDAIGHNKGSC	2112.3	8	2	3	0	58.5
MLSAMINMPVKTHDSRGGSC	2135.5	8	1	2	0	58.5
MQADRPWLFRTIIPQNSGSC	2320.6	8	1	2	5500	63.5
MSAWGWRNSWKWFMVHEGSC	2485.8	8	1	2	22000	19.5
MSGLMAFLKAMQRHVGDGSC	2139.5	8	1	2	0	63.5
MTRGAGLEFIREIHVMKGSC	2235.6	8	2	3	0	78
MTRGHSIKNGSTDTFIGSC	2099.3	8	1	2	0	39
MVRAPVVLAMPQWMMTNGSC	2222.7	8	0	1	5500	73
MGAMELFFRYRHMSWFMGSC	2487.9	8	1	2	6990	24.5
MHKERPYYMMKSHNHVDLGSC	2400.7	8	2	3	1490	34
MPAQAVGIWNHSRDYRVGSC	2247.5	8	1	2	6990	58.5
SAMAHHAVYMNIIHIAFRGSC	2216.5	8.01	0	1	1490	73.5
SARQHNHKLPHLWSGWDWGSC	2389.5	8.01	1	2	16500	24.5
MAGRPYFMAVSHMHTMIGSC	2227.6	8.02	0	1	1490	44
MAGTRGSMTHGFIMGPNGSC	2012.3	8.02	0	1	0	24.5
MAWDRRHERPIVLYWHAGSC	2483.8	8.02	2	3	12490	63.5
MDKPAARSTHLAFPSHWGSC	2199.4	8.02	1	2	5500	34.5
MDMPNNPAMIDHRARIRGSC	2285.6	8.02	2	3	0	49
MFTGTHVMRIEGARQWMGSC	2298.7	8.02	1	2	5500	39
MHHLKSAQSANWTSFSNGSC	2193.4	8.02	0	1	5500	29.5
MHLDHIFWGAFRMKASGGSC	2251.6	8.02	1	2	5500	49
MHQPHERANWKQATPNGGSC	2249.4	8.02	1	2	5500	10
MILLDRNANHPGRANVTGSC	2139.4	8.02	1	2	0	83
MIRYDAHANGMGRIHGQGSC	2174.4	8.02	1	2	1490	49
MLAIVTRLMTNFAQLHGGSC	2163.6	8.02	0	1	0	102.5
MSHAHKEKLQHQS SSPSGSC	2166.3	8.02	1	2	0	24.5
SEHSHMWGRGWSRQQERGSC	2401.5	8.02	2	3	11000	0
SPMSVFHISVHNRLMWSGSC	2275.6	8.02	0	1	5500	68
SRRHHTDSVIQMWE MNRGSC	2430.7	8.02	2	3	5500	34
THFFRMHHTFHWAHYQFGSC	2577.8	8.02	0	1	6990	5
MFFFQHRPIFDAFQIRPGSC	2444.8	8.02	1	2	0	44
MMTPFRAVFFFEAPGRHGSC	2288.6	8.02	1	2	0	24.5
MSFRFHDNMALFQRRVEGSC	2431.7	8.02	2	3	0	39
MKHRHENHSGSQNYTWHGSC	2366.5	8.04	1	2	6990	0
MLFHRVTKFQPHFMELHGSC	2445.9	8.04	1	2	0	53.5
MLMSFMTSRSSVQH HGFSGSC	2230.5	8.04	0	1	0	34
MLQVRVGHWTLLDGNRHGSC	2279.6	8.04	1	2	5500	87.5
MSWHWEFARHKIWPHLMGSC	2539.9	8.04	1	2	16500	44
WILHMRWNCTVMKGYDLGSC	2413.8	8.05	1	2	12615	73
MIGMTRHHGIVMPFGSHGSC	2155.5	8.06	0	1	0	53.5
MVHRHPHF MQKHDLRLESGSC	2432.7	8.06	2	3	0	34
VYIKTINYS GKAKVDDAGSC	2132.4	8.11	2	3	2980	78

VVYDNNKAQLKKQEYAGGSC	2215.4	8.11	2	3	2980	58.5
FYNNTKGFSKVYKDYEFGSC	2397.6	8.12	2	3	4470	14.5
WYYKGAFDSYDKYRLLVGSC	2434.7	8.12	2	3	11460	58.5
YIYSKLEEKYPTKQFNGSC	2369.6	8.12	2	3	4470	44
DKPWYYKEYGVMAKFFGGSC	2376.7	8.12	2	3	9970	19.5
DGEKYDMWARWYHKWKGSC	2609.9	8.13	3	4	20970	5
DYYVLHQBKWKWWWKDNNGSC	2706	8.13	2	3	26470	34
HDIKQYMITKLYYYSNIGSC	2440.8	8.13	1	2	5960	78
HKDNMMWKKNTEKYNDGSC	2492.7	8.13	3	4	8480	0
VAILQYFKNYNNLYGPQGSC	2292.5	8.13	0	1	4470	78
VSPEIETKVGIFARYKGSC	2247.5	8.13	2	3	2980	73
VVYYRKIQVTLNPNPGDGSC	2288.6	8.13	1	2	4470	102
YYPFWWIQLYKHQYQWKGSC	2712	8.13	1	2	22460	39
DAKWQQKGKVFAGYDYNNGSC	2265.4	8.14	2	3	8480	24.5
DKNYEYNGAYKQSIRGGGSC	2210.3	8.14	2	3	4470	24.5
DMDFMTKQKDKKQKQKEIGSC	2317.6	8.14	4	5	0	19.5
FKTIFKDWESYKIAGYTGSC	2344.6	8.14	2	3	8480	44
IVYTFYLAYNYIQPQKNGSC	2385.7	8.14	0	1	5960	78
KYKGSYHIHYMFERYTGSC	2485.7	8.14	2	3	5960	19.5
NISKLYVDKQYTYGRDNGSC	2324.5	8.14	2	3	4470	53.5
QKPYWYYIGSLIVAKEIGSC	2318.7	8.14	1	2	9970	97.5
VLRKEPHEIWYKFPWYGSC	2551.9	8.14	2	3	13980	73
VMEYYPLYYPIMLNRRHGSC	2505.9	8.14	1	2	5960	73
VNYTHKQALGLAKVEYSGSC	2168.4	8.14	1	2	2980	78
VYHKYIFIAQAEKTTVSGSC	2245.5	8.14	1	2	2980	78
WNGKEMGPYEDKYRLKTGSC	2362.6	8.14	3	4	8480	19.5
YDRDKAPLETYATYRKNGSC	2351.5	8.14	3	4	4470	29.5
YNTAYYAVYYMIWIPQRGSC	2462.8	8.14	0	1	12950	63.5
YYVMVDNWDNPNKQRYNKGSC	2480.7	8.14	2	3	9970	29
INDDDYWKKKGGKPNGLGSC	2195.4	8.14	3	4	6990	39
KMYMKLVTSTLNDKEYWGSC	2397.8	8.14	2	3	8480	53.5
FYNQMVPKMDAHYMLYKGSC	2426.8	8.15	1	2	4470	39
GSKLYFKVLFIQLSYDPGSC	2265.6	8.15	1	2	2980	92.5
GWSYNLARTKQQYLDKGSC	2333.5	8.15	2	3	8480	44
HYYYSYQWRRMNPWDKEGSC	2669.9	8.15	2	3	16960	0
IWWWMGVWNYKLAIDKYVGSC	2432.8	8.15	1	2	19480	92.5
KGEVKFGHATIEKWFYGGSC	2350.6	8.15	2	3	8480	39
KGYEALNYTVNLIFRYGGSC	2268.5	8.15	1	2	4470	78
LYYFWAAGWYHKMDKQVGSC	2453.8	8.15	1	2	15470	44
NGLYINWRYWYYPTVSVGSC	2441.7	8.15	0	1	16960	68
NMTWKETNYFRVGIWYYGSC	2518.8	8.15	1	2	15470	34
NPAFEPYYPYPRKFLPLTGSC	2363.7	8.15	1	2	4470	44
NYDMVKWWKYFFLPAMMGSC	2518	8.15	1	2	13980	39
QIYMWYLMNYRSNYWPLGSC	2589	8.15	0	1	16960	58.5
QVQMIKRYKMDIMALDYGSC	2393.8	8.15	2	3	2980	78
VAPWYKNPTYPLGIMLIGSC	2223.6	8.15	0	1	8480	97.5
VEINTILEMKKISYRIAGSC	2268.7	8.15	2	3	1490	117
VKKYRPETTGSASTEMVGSC	2131.4	8.15	2	3	1490	34
VKNKRNTDWNEYLNVVWGSC	2425.7	8.15	2	3	12490	63
VMVKSPMRQADDYSKAGGSC	2130.4	8.15	2	3	1490	39
VNVLKWKWPATWMLYDNGSC	2411.8	8.15	1	2	17990	73
VPEKINLWAFDKTPFKTGSC	2281.6	8.15	2	3	5500	58.5

VRVKKVAKIQQIDDFIDGSC	2191.5	8.15	3	4	0	107
VTMDYQDRNGIGKVRYTGSC	2263.5	8.15	2	3	2980	48.5
VTTVKVLGLKLKEDVTTGSC	2091.4	8.15	2	3	0	116.5
WRFKMKFDGMINNYDAGSC	2446.8	8.15	2	3	8480	24.5
YKEHWVHGMKQKELEKVGSC	2416.8	8.15	3	4	6990	48.5
YKVHWQTKFVSDYAAGYGSC	2310.5	8.15	1	2	9970	39
YLFTGTISYIMDKYSIRGSC	2318.6	8.15	1	2	4470	78
YLTWVFNYYWVKREKEHGSC	2608.9	8.15	2	3	15470	48.5
YMNTLDASNVYKSVNKGSC	2193.4	8.15	1	2	2980	68
YYNQQTFFQHKFWYLLYGSC	2546.8	8.15	0	1	11460	39
HAGWMYQEYYKLIGRYGGSC	2382.7	8.15	1	2	11460	44
QIDKPKVYYPGVLVFMQGSC	2272.7	8.15	1	2	2980	82.5
RLEWKYQKHTEWYFWYMGSC	2742.1	8.15	2	3	20970	19.5
VEFKKNGSPGDTMAKDRGSC	2127.3	8.15	3	4	0	19.5
VNDCLKQGRVYGGQYVSGSC	2117.3	8.15	1	2	2980	63
VVEKPVNFKKGMMTDWSGSC	2243.6	8.15	2	3	5500	43.5
VWAAAAGSSDKYINPTFGSC	2102.3	8.15	1	2	6990	49
VYVRAHWERYKHEILYVGSC	2508.8	8.15	2	3	9970	87.5
WPYLKTRSTPDYGYNPWGSC	2391.6	8.15	1	2	15470	19.5
WYYIARFKTYADYHFLTGSC	2505.8	8.15	1	2	11460	49
YEVGNFFHKKTVYGWQYGSC	2413.6	8.15	1	2	9970	29
YEYIKSKIPYHLSWVPAGSC	2341.7	8.15	1	2	9970	78
YQIASSYYSKWFRGMDIGSC	2362.6	8.15	1	2	9970	44
AEPYKDKDYIGLIFKKNNGSC	2289.6	8.16	3	4	2980	63.5
DPQNVEFFSQKNPKYAKGSC	2287.5	8.16	2	3	1490	19.5
DYENLLWRVKNTLWKSYGSC	2475.8	8.16	2	3	13980	73
FKHYIYWAYVWVQTPQQGSC	2504.8	8.16	0	1	15470	53.5
FNEIFKKAFYQNNKEHMGSC	2435.7	8.16	2	3	1490	24.5
FSKNWGIEPYMFYHLNKGSC	2421.7	8.16	1	2	8480	39
FVAFMTPQTYMKYTHSYGSC	2362.7	8.16	0	1	4470	19.5
GDYHWTTPREMDMWKKKGSC	2456.7	8.16	3	4	12490	0
GERIPYVDAHIYNKNKAGSC	2235.5	8.16	2	3	2980	63.5
GQQPGKERGYVGYEKFSGSC	2177.3	8.16	2	3	2980	14.5
HSSIYMLGKLEGKPISYGSC	2170.5	8.16	1	2	2980	78
IHKKLANIWYSEPMYSNGSC	2341.6	8.16	1	2	8480	63.5
KADRLIYAEMFKWNYREGSC	2480.8	8.16	3	4	8480	49
KDSTTDTPKQGYLSSKGGSC	2060.2	8.16	2	3	1490	19.5
KEPSQIYAERKYFASNMGSC	2309.6	8.16	2	3	2980	29.5
KFWQWYEWSKNYSAAQNGSC	2540.7	8.16	1	2	19480	5
KWPYHKKDVDQATSILMGSC	2307.6	8.16	2	3	6990	58.5
KYPLFAHESYDTFRWLKGSC	2448.7	8.16	2	3	8480	44
LALTLWYWHKYFIVDVKGSC	2442.9	8.16	1	2	13980	112
LHVANTKPEDQKKMREYGSC	2334.6	8.16	3	4	1490	39
LKMQVPMKNREDWYQYGGSC	2433.8	8.16	2	3	8480	34
LWGQMYHIVDVKMKIIGSC	2384.9	8.16	1	2	8480	107
NGYRINDHTPNQKPYSYGSC	2314.4	8.16	1	2	4470	19.5
NSYMPESYWINALKKHIGSC	2341.6	8.16	1	2	8480	63.5
NYESYPQKKATHSNAIGSC	2226.4	8.16	1	2	2980	29.5
QDEAYRKLAQIMGTYSYGSC	2249.5	8.16	2	3	2980	49
QGDRFEKIKHKEAVTLYGSC	2309.6	8.16	3	4	1490	58.5
QKKYKQHEQEKKDDHQHRGSC	2509.7	8.16	4	5	1490	0
QNFGYKFGERAHPKYDIGSC	2279.5	8.16	2	3	2980	39

RSNPPRLTHYTYNEYYIGSC	2434.6	8.16	1	2	5960	39
VAFVQNKDKEWMMSQKHGSC	2353.7	8.16	2	3	5500	34
VMMSYWVQAKNHTMYGWGSC	2379.7	8.16	0	1	13980	34
VWKHSMFWLYNEKTGRDGSC	2444.7	8.16	2	3	12490	34
WFQNMMLTGKYYIFDHKGSC	2469.8	8.16	1	2	8480	39
WYPFHQSIKYKESPSQTGSC	2373.6	8.16	1	2	8480	19.5
WYRVRAQEWYIKIFDHYGSC	2620.9	8.16	2	3	15470	58.5
YASWNPHWITWDYFKKTGSC	2490.7	8.16	1	2	19480	24.5
YDRKLFSFAENKMTYVLGSC	2372.7	8.16	2	3	2980	58.5
YDWLYPFPLKKQNHTAWGSC	2454.7	8.16	1	2	13980	44
YIAKQRFEDNPWHIWKYGSC	2541.8	8.16	2	3	13980	44
YKYRMDHWPEPKGQFIMGSC	2473.8	8.16	2	3	8480	19.5
YWPFKYWIEHPEKIRLVGSC	2551.9	8.16	2	3	13980	73
DKTWQMMHKIEFYRLFYGSC	2584	8.16	2	3	8480	39
DRKDGYHKQLNIEAKMNGSC	2307.5	8.16	3	4	1490	44
FPIMIKDDETRHKKYLQGSC	2409.8	8.16	3	4	1490	58.5
GKASWFKYQENAMTYPGSC	2255.5	8.16	1	2	8480	10
GSYVFLNKAYGKWETQHGSC	2275.5	8.16	1	2	8480	39
HAKPIMYLNMAISYQIGSC	2303.7	8.16	0	1	4470	88
IKRVLKVDEEKPHLNYPGSC	2325.7	8.16	3	4	1490	87.5
KAKDGYEYMDKHRMSGIGSC	2214.5	8.16	3	4	1490	24.5
KHNYDSYNVLDRIEKQGSC	2425.6	8.16	3	4	2980	53.5
KIHADGYTLGSKYPWMIGSC	2227.5	8.16	1	2	8480	63.5
KIMKRFTFLDHYFFDTSKSC	2459.8	8.16	2	3	2980	39
KPSLVSEKFMNDEPKGSC	2255.6	8.16	3	4	0	34
KPVTVKYSMDQIAFHYWGSC	2360.7	8.16	1	2	8480	53.5
KQKLAPYTEIKITDVWGSC	2293.7	8.16	2	3	6990	97.5
VWVGKGMYEAHYRRNGEGSC	2257.4	8.16	2	3	8480	19.5
WIAMPAHDKMKLYPGYNGSC	2282.6	8.16	1	2	8480	49
WYWMYMGYNQRHNSDNKGSC	2540.7	8.16	1	2	15470	0
YTIIFHIIMDQYYTKNRGSC	2466.8	8.16	1	2	4470	78
YTMAMFHTLINQVYGYKGSC	2327.7	8.16	0	1	4470	58.5
YYNRILEKMAPETKATAGSC	2246.5	8.16	2	3	2980	54
YYSAGEVLNMFKSMFAGSC	2233.6	8.16	1	2	2980	44
DHFYGGKKTQYTVTNHPSGSC	2270.4	8.17	1	2	2980	14.5
DIEMWSYLYPRPRMAYGSC	2494.8	8.17	2	3	9970	44
DSKEHNTRYNKKQDNHQGSC	2389.5	8.17	3	4	1490	0
FYQWTKYVYHMQHATQGSC	2564.8	8.17	0	1	15470	19.5
GKTKIPNHVKKFDEHVDGSC	2239.5	8.17	3	4	0	48.5
HGYQYGMWWYSSKQNTGSC	2420.6	8.17	0	1	15470	0
HLLSALKQDYKYNWLHWGSC	2462.8	8.17	1	2	13980	83
LTPLYLAKYFEKHAHAWGSC	2335.7	8.17	1	2	8480	73.5
LTPYVWREVMYVRGGMIGSC	2381.8	8.17	1	2	9970	68
NYQNKENQEKNHKTRDHGSC	2430.5	8.17	3	4	1490	0
RNHDESSRNKNHYKNDYGSC	2424.5	8.17	3	4	2980	0
RWEYHHYVPWPPQSPYKGSC	2517.8	8.17	1	2	15470	14.5
VAFILGSPIKKAQWQIDGSC	2161.5	8.17	1	2	5500	102.5
VDWQDKDMKVQRTSRPGGSC	2293.5	8.17	3	4	5500	29
VEFKAGQNSPKRDWWGGGSC	2209.4	8.17	2	3	11000	19.5
VKVGTTDLGAAVLAKTTGSC	1892.2	8.17	1	2	0	97.5
VKVPGMWSLGYVWQFAFGSC	2262.6	8.17	0	1	12490	68
VMRMPDWFNLKPIIQDKGSC	2378.8	8.17	2	3	5500	73

VNIWTNYPMRQGVNKGEGSC	2253.5	8.17	1	2	6990	48.5
VPQGFYWLTRQYVSQFSGSC	2353.6	8.17	0	1	8480	48.5
VTMQVFIGQKTQVEIKSGSC	2183.5	8.17	1	2	0	82.5
VVIHPRDKLHQFEYIMKGSC	2400.8	8.17	2	3	1490	87.5
VYHMIIGEKKIMIAQHMGSC	2289.8	8.17	1	2	1490	97.5
WQYNYIQPRRRFEALDYGSC	2565.8	8.17	2	3	9970	44
YHGGNDWANHVKKMEKSGSC	2248.4	8.17	2	3	6990	19.5
YHHWKIDKYRVNFDQDRGSC	2567.8	8.17	3	4	8480	34
RYAKWVYDRLDWLWIIMGSC	2575	8.17	2	3	19480	97.5
VFMYSKSNVQWFVQWWLGSC	2495.9	8.17	0	1	17990	63
VLMMYTRLWTRMYESVQGSC	2454.9	8.17	1	2	8480	68
VMPPENIVGKWVPIAKPGSC	2122.5	8.17	1	2	5500	87.5
VPVIKIGPQWEKMWWVWNGSC	2357.8	8.17	1	2	16500	82.5
VQTRLAKKVEPDWSQFFGSC	2326.6	8.17	2	3	5500	53.5
ANSTKYVAYAIYKLVDTGSC	2167.4	8.18	1	2	4470	83
AYWYFQFMTQLTYSKAYGSC	2458.7	8.18	0	1	11460	29.5
DGIKANTRDNKVGYNWVGSC	2199.3	8.18	2	3	6990	39
DKYLRMPNSWQMEIKQAGSC	2385.7	8.18	2	3	6990	44
DNLTHVYPGQPSKKTGTGSC	2090.3	8.18	1	2	1490	34
DPFILWAVTGKSDKTVKGSC	2152.4	8.18	2	3	5500	73
DQFSRHKVTPNYVLSWYGSC	2387.6	8.18	1	2	8480	48.5
DSRYIGGVKRLPGENLYGSC	2184.4	8.18	2	3	2980	73
DYMNWYTRRELTNWKSMSGSC	2541.8	8.18	2	3	13980	19.5
FAAAPKYRVAGNLEYVTGSC	2117.4	8.18	1	2	2980	68.5
FDEGWAMVFGIKKTSKLGSC	2204.5	8.18	2	3	5500	58.5
FDYKIDIFKPVSHGQWRGSC	2383.7	8.18	2	3	6990	53.5
FEPSVKKFSQEREKMSPGSC	2301.6	8.18	3	4	0	14.5
FEVYNSIRFIGNYIFIKGSC	2370.7	8.18	1	2	2980	92.5
FHGRSDPMMNYKQYMIAGSC	2336.7	8.18	1	2	2980	24.5
FKTWYVHGKMQFDLQMNGSC	2420.8	8.18	1	2	6990	34
FVFWKAETGGDAKPHKMGSC	2196.5	8.18	2	3	5500	24.5
FWKSAYIQGMVMTNWYVGSC	2371.7	8.18	0	1	13980	53.5
GAKLHWTKNAPKEMDQGSC	2214.5	8.18	2	3	5500	49
GGFTKEARKDTPHDFGKGSC	2138.3	8.18	3	4	0	5
GHWSKEAKTSHEHKVMYGSC	2302.5	8.18	2	3	6990	19.5
GIYKMTTKNDLTRNGLLGSC	2187.4	8.18	2	3	1490	58.5
GKRLINETHKPWSYMDNGSC	2336.6	8.18	2	3	6990	39
GKSWGYQGFFAMALFYIGSC	2233.5	8.18	0	1	8480	49
GMITWAKYYTTGMVRMDGSC	2271.6	8.18	1	2	8480	39
GMLHDRKMAEPNYKSGWVGSC	2267.5	8.18	2	3	6990	24.5
GNWEQPFAYMFQKKFLFGSC	2428.8	8.18	1	2	6990	24.5
GNWVKAFLEKYPIQWLIGSC	2352.7	8.18	1	2	12490	97.5
GREMAYGAYKTSSTILSGSC	2082.3	8.18	1	2	2980	49
GRKGTYKIDEMRFWEAVGSC	2333.6	8.18	3	4	6990	39
GRPVLETINKAYSGKNGSC	2109.3	8.18	2	3	1490	58.5
GYFGMRDNMEPSKRKDLGSC	2291.6	8.18	3	4	1490	19.5
HIPWWWQNYPSWYPYRLGSC	2639.9	8.18	0	1	26470	39
HIWEMNTYGGMKFTKLPGSC	2300.6	8.18	1	2	6990	39
HKEQLVYASSIANKVASGSC	2092.3	8.18	1	2	1490	83
HQKVNQNYMPVTYVPWFGSC	2398.7	8.18	0	1	8480	43.5
HVWYVQQTWMPYTVKGSAGSC	2357.6	8.18	0	1	13980	43.5
HYIAKMERSTWKWAQDSGSC	2384.6	8.18	2	3	12490	29.5

HYPEKRVNSNTGRNTNYDGSC	2298.4	8.18	2	3	2980	14.5
HYPEPKGIPYRTMWNIGSC	2362.7	8.18	1	2	8480	58.5
IEINKFATVYEKRAPASGSC	2184.5	8.18	2	3	1490	68.5
IELGNENMPRPYIVKKGSC	2247.6	8.18	2	3	1490	87.5
IIQVGOPYAPWSYKTQNGSC	2169.4	8.18	0	1	8480	58.5
IKQIKDMDWKTNP SHVGSC	2300.6	8.18	2	3	5500	73
IMVPSEDQVPWYPKRFGSC	2367.7	8.18	2	3	6990	48.5
INGLDGFKGRFYIIMHGSC	2291.6	8.18	1	2	2980	78
IPKRKMMAEWSHDFYNAGSC	2371.7	8.18	2	3	6990	29.5
ITTMERIYLNHTKQNSYGSC	2359.6	8.18	1	2	2980	58.5
KADFYNNPARFYSPGTPGSC	2192.3	8.18	1	2	2980	10
KAEALKFHRLTNWKNDEGSC	2347.6	8.18	3	4	5500	49
KARKMFFYAFHNMLEGDGSC	2352.7	8.18	2	3	1490	29.5
KETYQSKNIFMIHLVSLGSC	2298.7	8.18	1	2	1490	92.5
KFDSQWYHREPMFTIKAGSC	2431.7	8.18	2	3	6990	24.5
KFNYHWRDSMVLMEQSGSC	2446.8	8.18	2	3	6990	34
KFPHYKDWRAQPPDMQPGSC	2388.7	8.18	2	3	6990	5
KHRIYDWDFLFRPYWLAGSC	2573.9	8.18	2	3	13980	63.5
KHYRYIINTTEFWGSWLGSC	2461.7	8.18	1	2	13980	58.5
KKQSAWGLWVAELNYMHGSC	2308.6	8.18	1	2	12490	63.5
KMLMIDGRQLYWYMILGGSC	2378.9	8.18	1	2	8480	97.5
KNYGNWTEHGAWKWTVIGSC	2337.6	8.18	1	2	17990	39
KPWWTKGIETNVGIMSYGSC	2257.6	8.18	1	2	12490	53.5
KQAPEFVILRKMNWTDYGSC	2386.7	8.18	2	3	6990	58.5
KQHVWKIMAGVPTEVLYGSC	2246.6	8.18	1	2	6990	87.5
KRHKDELEYQRFNSTAWGSC	2455.6	8.18	3	4	6990	24.5
KSDNKFSFTPNLYPTGQGSC	2191.4	8.18	1	2	1490	19.5
KTWMIFSMYPEGKHMMMSGSC	2351.8	8.18	1	2	6990	19.5
KVPLEGIKEFILMRGAYGSC	2211.6	8.18	2	3	1490	97.5
KVPNSDWDWYLNHKVPRGSC	2401.6	8.18	2	3	12490	48.5
KVRFAFDRYMYPNWENSGSC	2470.7	8.18	2	3	8480	19.5
KWLGVPPLAYAKIMQLTEGSC	2208.6	8.18	1	2	6990	102.5
KWYVMPTSSGYFLWNAMGSC	2328.7	8.18	0	1	13980	39
KYSTMEIYGIQLNTRNNGSC	2292.5	8.18	1	2	2980	58.5
LAAWTYMAVKYFLDLRWGSC	2394.8	8.18	1	2	13980	88
LDIKDNRYTGKGWMVERGSC	2328.6	8.18	3	4	6990	53.5
LFNIYQAAVYILWKGHAGSC	2254.6	8.18	0	1	8480	107.5
LGYEIPNQAKYMRNTHFGSC	2329.6	8.18	1	2	2980	44
LIYKTGKAAWDVLVMMFGSC	2233.7	8.18	1	2	6990	97.5
LLHITNSYTYKQWTFAVGSC	2332.6	8.18	0	1	8480	78
LNELYRGNSIAHYSMKPGSC	2240.5	8.18	1	2	2980	63.5
LNFGVKFSEGGSEHKKFGSC	2158.4	8.18	2	3	0	34
LNFKQTRTNEYTWTLPGSC	2422.7	8.18	1	2	8480	39
LTPPYFTKWHVLGVYRDGSC	2343.6	8.18	1	2	8480	68
LVFSGQQHWYLVYWLKTGSC	2415.7	8.18	0	1	13980	87.5
LYGVMDADKKPHARDRQGSC	2247.5	8.18	3	4	1490	44
NAIYVDKLVMGINVKMGGSC	2112.5	8.18	1	2	1490	107
NDDQYWAHRNQPNVKKGSC	2388.5	8.18	2	3	6990	19.5
NFFEVPNMKKQYFGVHLGSC	2345.7	8.18	1	2	1490	48.5
NGEAGKTHYLINSKSMNGSC	2111.3	8.18	1	2	1490	44
NHQQKDQYNDERSQRQKGSC	2449.5	8.18	3	4	1490	0
NKFEKEGRFRMGWSDQYGSC	2425.6	8.18	3	4	6990	0

NKTANKRYQAVEQDWPPGSC	2292.5	8.18	2	3	6990	24.5
NLQIINKFYDAVVMKQHGSC	2308.7	8.18	1	2	1490	92.5
NMMIEYNYFIQKGIRVPGSC	2363.7	8.18	1	2	2980	73
NNKVASTHKSETYQIWLGSC	2266.5	8.18	1	2	6990	58.5
NPIYNDNVRMYKASNAMGSC	2248.5	8.18	1	2	2980	44
NTEEYRKVHWHILYKHGGSC	2457.7	8.18	2	3	8480	53.5
QFYALKRDREWVVHGYAGSC	2385.6	8.18	2	3	8480	58.5
QHISGWSNKYTSNKPWDGSC	2295.4	8.18	1	2	12490	19.5
QIAIYAFGDQKNRQQYVGSC	2289.5	8.18	1	2	2980	63.5
QKKYTEDQNTTNNRTNHGSC	2339.4	8.18	2	3	1490	0
QPWYKPKDKRHGEMPAGPGSC	2241.5	8.18	2	3	6990	5
QTFEIAIYRMASKPEFKGSC	2340.7	8.18	2	3	1490	29.5
QWHQKYWTADIVKFTVTGSC	2398.7	8.18	1	2	12490	53.5
QYMQILQAATGKSTYFHGSC	2234.5	8.18	0	1	2980	49
RDVFKPMYFRWGAAEYGSC	2382.7	8.18	2	3	8480	39
RGWAKVSAIKAMDDYFWGSC	2291.6	8.18	2	3	12490	49
RHWYQDGSPLLAPVYKVGSC	2276.6	8.18	1	2	8480	73
RPMPALIWTYYAYFHMAGSC	2378.8	8.18	0	1	9970	54
RPPQEFYMNPNPETKQKGSC	2351.6	8.18	2	3	1490	0
RQNVSKWAIDTYAYWTMGSC	2380.6	8.18	1	2	13980	44
RQVKLLGYFDNNQFYANGSC	2337.5	8.18	1	2	2980	58.5
RRLWKIDISDYHKVVDPGSC	2387.7	8.18	3	4	6990	87.5
RSKMGYPHFYQDFTERNGSC	2423.6	8.18	2	3	2980	0
RWTWIVLEGAGFSKYAYGSC	2294.6	8.18	1	2	13980	63.5
RYAHLIALKGSVFLSDNGSC	2201.4	8.18	1	2	2980	83
RYEKNVYGNMRPTIAGDGSC	2231.4	8.18	2	3	2980	39
RYQGTPINEKVMVNYAPGSC	2227.5	8.18	1	2	2980	53.5
VFAILNYAPGMAYWRTHGSC	2257.6	8.18	0	1	8480	68.5
VGGWSYNNAGHYLPVRQGSC	2165.3	8.18	0	1	8480	53.5
VHWRQPMYGDTPGIGKGSC	2202.5	8.18	1	2	6990	53.5
VIRMNWFGNPHEGTYPKGSC	2293.6	8.18	1	2	6990	34
VLQWVNVDAAKKAHMLTGSC	2171.5	8.18	1	2	5500	97.5
VMYILMLIMRSTHTVDKGSC	2298.8	8.18	1	2	1490	107
VSQHRTGETKAWRGEYWGSC	2338.5	8.18	2	3	12490	19.5
VTMIQFYRKIHESPWFGSC	2443.8	8.18	1	2	6990	53.5
VTRYVHDTQTMWVGQKFGSC	2343.6	8.18	1	2	6990	43.5
VTTGNVFSLYFSHAQPKGSC	2143.4	8.18	0	1	1490	53.5
WDLGYVVRTYWTKQQSPGSC	2374.6	8.18	1	2	13980	48.5
WFGAEKNIPHFKVSYDRGSC	2341.6	8.18	2	3	6990	39
WFSQKEAVYFQLAATKHGSC	2301.6	8.18	1	2	6990	49
WGKAMIAHDIKVFEKNNGSC	2248.6	8.18	2	3	5500	63.5
WGVAYKKMATSWVWMPEGSC	2317.7	8.18	1	2	17990	39
WLMEFKWTENVLMKWHKGSC	2554	8.18	2	3	16500	53.5
WNAVKGMYGENFVKNLHGSC	2254.5	8.18	1	2	6990	53.5
WREAKYSSMPERIHLYGGSC	2370.6	8.18	2	3	8480	44
WTWEGMMYTRLFGKLKDGSC	2409.8	8.18	2	3	12490	39
WWWPNKEFVSAPFYMHHKGSC	2413.8	8.18	1	2	12490	34
WWPYLHFIVKNLTQVQYGSC	2482.8	8.18	0	1	13980	87.5
WWYTYTDTWFTKTRTGGSC	2459.7	8.18	1	2	19480	14.5
WYRTQTGDQKIAGNIYNGSC	2275.4	8.18	1	2	8480	44
WYYINMGQNLRKDAFTTGSC	2368.6	8.18	1	2	8480	44
YEMQWPTMAGFYARQKIGSC	2367.7	8.18	1	2	8480	29.5

YFAWSDKFYPSMWRVIPGSC	2440.8	8.18	1	2	13980	39
YGNLKQRQLDENWKASPGSC	2294.5	8.18	2	3	6990	44
YGTWWLAILKTLDYVPRGSC	2342.7	8.18	1	2	13980	97.5
YGYERYAFRDRLHMAILGSC	2421.7	8.18	2	3	4470	68.5
YKGTQHPFSEQILQIKAGSC	2235.5	8.18	1	2	1490	63.5
YKRPYQNAFQTQPWDAAGSC	2331.5	8.18	1	2	8480	15
YLHTEFTYGAQMVRNKNNGSC	2319.5	8.18	1	2	2980	39
YLLNKPEKQPTPGNGGMGSC	2091.3	8.18	1	2	1490	39
YMNHTFFYMAMEMRYRPGSC	2535.9	8.18	1	2	4470	5
YMQRTKNPDMKWWFNEPGSC	2518.8	8.18	2	3	12490	0
YNAVYRYTMTVVAHWWAGSC	2465.7	8.18	0	1	20970	44
YPKGAIAYNLLVVIFERGSC	2213.6	8.18	1	2	2980	117
YPWNMKLILIRVQYSDWGS	2472.9	8.18	1	2	13980	92.5
YQPPPRKAVIQMDWLSYGSC	2339.7	8.18	1	2	8480	58.5
YRKILSYGFPMAMVMDQGS	2303.7	8.18	1	2	2980	58.5
YRKSGGSPIGLGSFYDLGSC	2064.3	8.18	1	2	2980	58.5
YSKSKVLMAMSDWWHNAAGSC	2301.6	8.18	1	2	12490	44
YSLYFEIQYHTLQRRIGSC	2505.8	8.18	1	2	4470	78
YTQTNAEKKGIVAGLQQGSC	2096.3	8.18	1	2	1490	63.5
YTNWARDLFPWAKLEMKGSC	2416.8	8.18	2	3	12490	49
YVAAKPGMRAFFQDMYMGSC	2273.6	8.18	1	2	2980	29.5
YVFNFSFKPPMWIETKGGGSC	2248.6	8.18	1	2	6990	34
YVTSRANKDPWYTIQVQGS	2259.5	8.18	1	2	8480	58.5
YWSLVYNPTVKHRSFQDGS	2387.6	8.18	1	2	8480	48.5
YYNVQQVDRWVKLQWGLGSC	2442.7	8.18	1	2	13980	82.5
DKKWFPYGMDTSPRAHNGSC	2297.5	8.18	2	3	6990	5
DMMSRAVNMIIYLWKKEGSC	2375.8	8.18	2	3	6990	78
FFTLPYENPYPESKRARGSC	2362.6	8.18	2	3	2980	24.5
FKYVHTYFHHPNELMAKGSC	2409.7	8.18	1	2	2980	39
FMKQWVPNMMPNVMYYFGSC	2473.9	8.18	0	1	8480	29
FMWHMDSQTFRPLKYFYGSC	2544.9	8.18	1	2	8480	19.5
FYMEQHMKLRLFPLEVKGSC	2456.9	8.18	2	3	1490	73
GGVSGSRKYYEMHFPNWGSC	2262.5	8.18	1	2	8480	14.5
GMKQDTKLFLTSTWFHYGSC	2350.6	8.18	1	2	6990	39
GNPDQEAIKMPYARWKVGSC	2250.5	8.18	2	3	6990	44
GRWDNKVQMFTQYVYLGSC	2366.6	8.18	1	2	8480	53.5
HETMKGIKWPVSYGVLPGSC	2189.5	8.18	1	2	6990	68
HVIYQMWWKAFYLPWPGGSC	2469.9	8.18	0	1	19480	58.5
IERNHPYIPWVKEQKAWGSC	2441.7	8.18	2	3	12490	58.5
IKHAERQTALKYEQLPIGSC	2285.6	8.18	2	3	1490	88
ITMQRVMQYQKHDKDTIGSC	2382.7	8.18	2	3	1490	53.5
IYLIMMADWINLKGMLKGSC	2300.8	8.18	1	2	6990	122
KEDRQMYVMVPNMFKLAGSC	2347.8	8.18	2	3	1490	53.5
KQKGGWDNPSIKERQFDGSC	2280.5	8.18	3	4	5500	19.5
KRDQLVFYNATLGYYVHGSC	2270.5	8.18	1	2	2980	87.5
KSMMVQISTYQDQFWYRGSC	2458.8	8.18	1	2	8480	34
KSWGNNWKMFFEYIWPIAGSC	2450.8	8.18	1	2	17990	44
LKNFIMKGIGQEAYPGAGSC	2084.4	8.18	1	2	1490	68.5
LPHDLPKTKDPQSMWKVGSC	2267.6	8.18	2	3	5500	53.5
LPVPRVHYSYFKSEVLQGSC	2309.6	8.18	1	2	2980	82.5
LTALLIKKEPGSSKDLGSC	2073.4	8.18	2	3	0	122
NVFSGYQGRPFDHQKYGGSC	2247.4	8.18	1	2	2980	14.5

NWKYRAFKMTNDNSLMDGSC	2381.6	8.18	2	3	6990	24.5
QIANLKMKEFNAAQNWGSC	2316.6	8.18	1	2	6990	54
RDPMWFYWPADKSLANKGSC	2372.7	8.18	2	3	12490	29.5
VTEFRRFLDHNEKQGKPGSC	2348.6	8.18	3	4	0	34
WHMDQYPKYFQVSQLRMGSC	2504.8	8.18	1	2	8480	34
WNAMGKWKAMVDKTGDFGSC	2232.5	8.18	2	3	11000	24.5
WQFFQRDKTAYYHMAVWGSC	2524.8	8.18	1	2	13980	24.5
YHLIDYVLSWFSMRIKVGSC	2417.8	8.18	1	2	8480	107
YHRPPKAAMAEPNPEKAGSC	2154.4	8.18	2	3	1490	20
YNQSEITTQMKVNMTFKGSC	2310.6	8.18	1	2	1490	34
DHMPWIWIKMTGYAMHSGSC	2293.7	8.19	1	2	6990	44
DKKWNQIYHIHSSVFWGSC	2434.7	8.19	1	2	12490	68
FDLPTFHYHHKSRVVQKGSC	2378.6	8.19	2	3	1490	48.5
FHHYSAAQFDAFTATKKGSC	2217.4	8.19	1	2	1490	20
FSSDPMTWHGHWKSYAKGSC	2312.5	8.19	1	2	12490	5
HFFKPLWHYYWVGGTIAGSC	2369.7	8.19	0	1	13980	58.5
HSIEYKNLMLQHMLAKGGSC	2260.6	8.19	1	2	1490	83
HWMHQQDVYDRKNWAKVGSC	2488.7	8.19	2	3	12490	34
IKADATKWHKFSGHFDTGSC	2236.4	8.19	2	3	5500	29.5
KAYPVHQAWASLHWMKDGSC	2315.6	8.19	1	2	12490	49
KDISATQGNKYSIHATGSC	2118.3	8.19	1	2	1490	49
KLFNYPYVQHFMQSILGSC	2412.8	8.19	0	1	2980	73
KNANRHYPAYVTQHLEGGSC	2245.4	8.19	1	2	2980	44
KYSDWYTHRREWHQTSIGSC	2540.7	8.19	2	3	13980	19.5
LFIMGNHMYQTRAIYYHGSC	2405.7	8.19	0	1	4470	63.5
QHTVEAKFPHFIEAMKKGSC	2288.6	8.19	2	3	0	44
QQFEWKHFRIAKHDWGGSC	2523.8	8.19	2	3	12490	24.5
QSHWFYDRTKDVYPGRHGSC	2439.6	8.19	2	3	8480	14.5
QYMVHKGYNHITRWLVEGSC	2421.7	8.19	1	2	8480	68
RAGQKYHPQNVMAEYMHGSC	2307.6	8.19	1	2	2980	24.5
VFNQRWRVETFYLFWIQGSC	2579.9	8.19	1	2	12490	68
VFQWWTTLAAMQFKNAWGSC	2375.7	8.19	0	1	16500	49
VLLASKQIQPLNQMPFGSC	2171.6	8.19	0	1	0	97.5
VLPPQDKWRLPQGPLLQGSC	2232.6	8.19	1	2	5500	92.5
VNFQNYKGQPHIGMHSQGSC	2232.4	8.19	0	1	1490	34
VPDRTWAKVQVSAPNSTGSC	2103.3	8.19	1	2	5500	53.5
VTWNGSDRTGLFGKTWMGSC	2203.4	8.19	1	2	11000	34
VVRIRPYETEVRANERGSC	2381.6	8.19	3	4	1490	68
VVVIQALQLSKGMLNREGSC	2145.5	8.19	1	2	0	126.5
VWQWGHYISRTKTHRDDGSC	2432.6	8.19	2	3	12490	34
WRITDYHKIWHNASEQKGSC	2459.7	8.19	2	3	12490	44
YFFRGDHYIHIWIPKFGSC	2443.8	8.19	1	2	8480	58.5
YMGDMHAWTPMMKKIHMGSC	2355.8	8.19	1	2	6990	24.5
YQDKMWMPQSAVWYHRHGSC	2510.8	8.19	1	2	13980	19.5
YVRPHYFHQTETAATKMGSC	2327.6	8.19	1	2	2980	24.5
AHYKRENREWAKQYDMYGSC	2535.7	8.19	3	4	9970	10
HHKLAQQYANTIGQKDGSC	2156.3	8.19	1	2	1490	49
HTDFWTLCHKKPVQYSRGSC	2419.7	8.19	2	3	6990	34
NYEAGRHPWSGNNKHPYGSC	2274.4	8.19	1	2	8480	5
RSLEWKDIQFKHLHQFYGSC	2522.8	8.19	2	3	6990	58.5
VDPGKGHLRGHTKDNSPGSC	2062.2	8.19	2	3	0	34
VMLYAMPARPTVKQHHDGSC	2241.6	8.19	1	2	1490	58.5

VMTVMTDRWTFVRSYGSGSC	2283.6	8.19	1	2	6990	43.5
VVEGAPTGRVRSPGDVKGSC	1971.2	8.19	2	3	0	63
VWNWGTNDRVSGKGISVGSC	2122.3	8.19	1	2	11000	63
WSKYHMTKPNSMTHWDAGSC	2367.6	8.19	1	2	12490	5
AAVPKYINAMWKGYAPDGSC	2142.4	8.2	1	2	8480	54
AYYLHYKSTTIIPFLGSC	2287.7	8.2	0	1	4470	102.5
DGSKTFVPSFREVDVIKGSC	2184.5	8.2	2	3	0	63
DHAWMHGYPIHYGRRWGSC	2492.7	8.2	1	2	15470	24.5
DRNSLSFWKPLKRNEPDGSC	2349.6	8.2	3	4	5500	39
DTKGQGDMTARMYSGARGSC	2092.3	8.2	2	3	1490	10
FASEQQYRFQKGVGPFGSC	2235.5	8.2	1	2	1490	34
FHYKDLFHGKTTHESRQGSC	2378.6	8.2	2	3	1490	19.5
FKIQMLWEQEFIFRKIIGSC	2517	8.2	2	3	5500	97.5
FKNLVWRWWQDFVDNNKGSC	2542.8	8.2	2	3	16500	48.5
FQLKVAATIWTLYWSFQGSC	2349.7	8.2	0	1	12490	83
FRNWYYTAVMNFGWFNWGSC	2549.8	8.2	0	1	19480	19.5
FRTTQFLTVDDEFKTYGGSC	2356.6	8.2	2	3	1490	34
FSRFMRIGEINKSYEAAGSC	2266.5	8.2	2	3	1490	49
FSVLYSIWATSSNWLKGSC	2206.5	8.2	0	1	12490	78
FTLMTGKKMIVWDWQRDSC	2402.8	8.2	2	3	11000	53.5
GINNRAGSYAFGYRFMEGSC	2200.4	8.2	1	2	2980	29.5
GLPWDARISNMMKYVQGGSC	2213.5	8.2	1	2	6990	58.5
GLVSQNQNMYAAMTIKLGSC	2129.4	8.2	0	1	1490	83
GMEDKRQMPVPRFWMPFGSC	2465.9	8.2	2	3	6990	14.5
GNFIGKDRNDRTRVMYDGSC	2304.5	8.2	3	4	1490	34
GRYLWIMINWNAWYIIGSC	2472.9	8.2	0	1	19480	122
GSNATTAKTIMLPVGQYGSC	1999.2	8.2	0	1	1490	63.5
GTGATKFNLFTTFQAYGSC	2111.3	8.2	0	1	1490	29.5
GVMRVRQEMMQYYNREWGSC	2523.9	8.2	2	3	8480	29
HIREHYLWAQYQLHKNQGSC	2511.8	8.2	1	2	8480	63.5
HQASKIGTMHKYDHRDIGSC	2284.5	8.2	2	3	1490	44
HRENFESNSKSHYKLAGSC	2331.5	8.2	2	3	1490	24.5
HTSHINGKFYFFHIYFPGSC	2402.7	8.2	0	1	2980	39
IDDFMKKFTTFRSMGFFGSC	2365.7	8.2	2	3	0	19.5
IDKGVLDNLTTETRKRGSC	2175.4	8.2	3	4	0	92.5
IEAMGPSQRYRGRYELIGSC	2286.6	8.2	2	3	2980	63.5
IGQRLKGKDENIRFENFGSC	2311.6	8.2	3	4	0	58.5
IWMFDDAGANIWRKKNNGSC	2325.6	8.2	2	3	11000	68.5
IMQYVRVNKALLEPIQIGSC	2275.7	8.2	1	2	1490	131.5
IPYEWFTTRLQLRWPVYGSC	2515.9	8.2	1	2	13980	73
IQQFAGPLGDNPSKMRYGSC	2169.4	8.2	1	2	1490	44
ISGPYVNPKNWMANIGSC	2137.4	8.2	0	1	6990	73
IWEWKSSKTFQSFTIREGSC	2420.7	8.2	2	3	11000	39
IWMLGMWKFLPKNGEMTGSC	2329.8	8.2	1	2	11000	58.5
IWQKLVLVEYRQFPFMTGSC	2445.9	8.2	1	2	6990	87.5
KAGVPDKTGMRQAALDQGSC	2033.3	8.2	2	3	0	49
KANWFDKFTFNQMTQVWVGSC	2438.7	8.2	1	2	11000	19.5
KAYVSGTSNNMWTTWGGGSC	2107.3	8.2	0	1	12490	19.5
KIPYVIPPWVFNVRVETGGSC	2291.6	8.2	1	2	6990	68
KITQLEFRTVYLSINTLGSC	2286.6	8.2	1	2	1490	112
KKQGLIWIGWPENIPAVGSC	2196.5	8.2	1	2	11000	97.5
KLAYGTWPLLLERSSLTGSC	2195.5	8.2	1	2	6990	102.5

KSSAELVKNPPIQEARIGSC	2127.4	8.2	2	3	0	83
KSVFNFGYGAWLNQWNGSC	2277.5	8.2	0	1	12490	53.5
KWPGWTARYQNQTEWFQGSC	2473.7	8.2	1	2	17990	5
LAFAWKPDPWQSLVTKFGSC	2281.6	8.2	1	2	11000	63.5
LAWYIRGEVWYSFVWRPGSC	2475.8	8.2	1	2	19480	73
LDLIQYKRDEALMARTRGSC	2339.7	8.2	3	4	1490	88
LFSFKEPQPFMWNKWQQGSC	2488.8	8.2	1	2	11000	19.5
LGATGLAESDVAKKRVLGSC	1975.2	8.2	2	3	0	102.5
LGGLRSLRLGKEGLEEKGSC	2102.4	8.2	3	4	0	97.5
LKIQNVGETLRNQNYWNGSC	2351.6	8.2	1	2	6990	73
LPFWKFRAVDIGVRLEYGSC	2356.7	8.2	2	3	6990	92.5
LPVQTGNIMEKMRDVTKGSC	2207.6	8.2	2	3	0	68
LQPKSWYNNFWWGQNLGSC	2385.6	8.2	0	1	17990	39
LRQREAKNSPEQPDWKAGSC	2300.5	8.2	3	4	5500	29.5
LTRKGDAYNMAGDGVNRGSC	2085.3	8.2	2	3	1490	44
LVIMRRKDDKDNIVPNPGSC	2270.6	8.2	3	4	0	87.5
LWQKAGAVYQMVASGFTGSC	2104.4	8.2	0	1	6990	63.5
LYFNMILMMKDVAVRIIGSC	2317.9	8.2	1	2	1490	131.5
NEINVPVFFKNTPNMKIGSC	2252.6	8.2	1	2	0	68
NGINNGNKGWPLWKWDGSC	2260.4	8.2	1	2	16500	39
NGNKLFLRSETYVSDARGSC	2217.4	8.2	2	3	1490	58.5
NGWSYDWLQIRSTSWKANGSC	2346.5	8.2	1	2	17990	24.5
NINIIWKIEVMRFWDMKGSC	2483.9	8.2	2	3	11000	92.5
NMVVLIQFLKTNADKGSC	2167.5	8.2	1	2	0	107
NQTWARLNKELYFALWPGSC	2397.7	8.2	1	2	12490	68.5
NRFNYEVRSTPQDSGTKGSC	2246.4	8.2	2	3	1490	14.5
NRQTSPTWPKNNDMGNYGSC	2270.4	8.2	1	2	6990	0
NTPQPVIPTPFKQKGEKGSC	2135.4	8.2	1	2	0	34
NVEPKSLSRGEAQTRSYGSC	2169.3	8.2	2	3	1490	39
QDPDGLVRIKFILVFMGSC	2266.7	8.2	2	3	0	107
QDYQGLLRRVLYFVGIIIGSC	2300.7	8.2	1	2	2980	126.5
QGTFIGTWKNYMRIFIDGSC	2371.7	8.2	1	2	6990	39
QIVYVPQMRNFAQVFGSC	2363.7	8.2	0	1	2980	87.5
QLQSNFGYRVPSLWYNNGSC	2333.5	8.2	0	1	8480	53.5
QMMAISNPGIFVIRYYAGSC	2221.6	8.2	0	1	2980	83
QNGGGNMSGNKKQELERGSC	2094.2	8.2	2	3	0	19.5
QRVWKNYLFILAEANGAGSC	2240.5	8.2	1	2	6990	88
QSMPNAFIKSDFSKFWPGSC	2277.6	8.2	1	2	5500	24.5
QSQYRAMKGFWLMDLIFGSC	2381.8	8.2	1	2	6990	63.5
QSSQKDMGLQQTKGPITGSC	2094.3	8.2	1	2	0	39
QVIMDMTAKQPINMKLGGSC	2165.6	8.2	1	2	0	78
QYNNEQPVKWGMLPQWRGSC	2421.7	8.2	1	2	12490	34
RAMALSGYRNTPMNYGDGSC	2164.4	8.2	1	2	2980	29.5
REPVSTWIKGGFFKDNAGSC	2199.4	8.2	2	3	5500	39
RFIASMYTGRQNSDMYAGSC	2258.5	8.2	1	2	2980	29.5
RFMLDYPLDMVIRQTFKGSC	2420.8	8.2	2	3	1490	73
RGEWKLTLTKETSGREGGSC	2195.4	8.2	3	4	5500	39
RGIPSVVKQTFEEFKSIGSC	2212.5	8.2	2	3	0	68
RGPTFNRGDGNLKVAYDGSC	2127.3	8.2	2	3	1490	39
RGRRIEKPDKMEADLANGSC	2246.5	8.2	4	5	0	49
RIYAMWTDLDAKMLRVGSC	2300.7	8.2	2	3	6990	88
RKEPWTNWNLTASQKADGSC	2292.5	8.2	2	3	11000	29.5

RMSTEKNVYGMGGNWMMSGSC	2195.4	8.2	1	2	6990	14.5
RNPGERITEKYLVAQNQGSC	2263.5	8.2	2	3	1490	58.5
RQGITLEKSVAGMIQVYGSC	2140.5	8.2	1	2	1490	92.5
RRKLTYPQLDIGDVMTGSC	2266.6	8.2	2	3	1490	92.5
RTIYRWSQGALSWYMDAGSC	2351.6	8.2	1	2	13980	49
RVMFEGFQKGPNYLQVGSC	2217.5	8.2	1	2	1490	48.5
VFMIFVTIRPSTHKMEGSC	2240.6	8.2	1	2	0	68
VHSAAPQNHATQPYFKGSC	2180.3	8.2	0	1	1490	29.5
VKEDHLSGMARGVRDRGGSC	2130.3	8.2	3	4	0	53.5
VKFTLPQMITRHFFMNEGSC	2386.8	8.2	1	2	0	53.5
VNHYHFFALQHPTRIGPGSC	2297.5	8.2	0	1	2980	58.5
VPHWKMMWMSGTVNADRGGSC	2293.6	8.2	1	2	11000	34
VRERHNKGMPSETAGFGGSC	2120.3	8.2	2	3	0	19.5
VSAGPFPQMIVNVHVAGSC	2041.4	8.2	0	1	0	87.5
WAKSKAPVIGVEIAWILGSC	2128.5	8.2	1	2	11000	122
WDKVWPLEKVRNPWTNVGSC	2414.7	8.2	2	3	16500	63
WEEKFNDRLLVRALGSMKGSC	2326.6	8.2	3	4	5500	58.5
WFKWLNVEWRQAKSENWGSC	2554.8	8.2	2	3	22000	39
WGYRSINWGYLQWQSAFGSC	2409.6	8.2	0	1	19480	44
WIVAAQFVTQRWLFQYGGSC	2395.7	8.2	0	1	13980	78
WKLIVVWAYSTQNPFGIGSC	2269.6	8.2	0	1	12490	92.5
WPKIISPGEVVMASPKSGSC	2073.4	8.2	1	2	5500	73
WPMQETPVKDMKANLRGGSC	2248.6	8.2	2	3	5500	39
WPSPTTYAFETKWVTRTGSC	2318.5	8.2	1	2	12490	19.5
WRYMSNTWGFVLRYDNAGSC	2426.7	8.2	1	2	13980	39
WTWPSIRFVKGEYGRFGSC	2405.7	8.2	2	3	12490	34
WWKMQLLKESMMQVMQMGSC	2476	8.2	1	2	11000	53.5
WWYTLGEQIPRPWPQKGWGSC	2478.8	8.2	1	2	23490	39
WYWVSRYGWAADWPVRIGSC	2458.7	8.2	1	2	24980	58.5
YFGMWKNADRMQMWTVGSC	2368.7	8.2	1	2	12490	19.5
YHLWMEVKSQNKNFHHTGSC	2446.7	8.2	1	2	6990	34
YKAGHMFVSMFLYQHHAGSC	2314.6	8.2	0	1	2980	44
YLVEGPPWRSKATIPERGSC	2246.5	8.2	2	3	6990	58.5
YPANTWKWLNAAVAFIPGSC	2324.6	8.2	0	1	17990	68.5
YQKSQFWTGMNTGWGMTGSC	2270.5	8.2	0	1	12490	0
YRIQTNVSLPVFYNQVVGSC	2316.6	8.2	0	1	2980	82.5
YRITIDFSIRFTAIQYLGSC	2367.7	8.2	1	2	2980	102.5
YRNISNASSLFLYGTFMGSC	2231.5	8.2	0	1	2980	63.5
YSRASQILAWMQPLKEVGSC	2267.6	8.2	1	2	6990	83
YWWKQWFGVRTPLASETGSC	2402.7	8.2	1	2	17990	39
ALVQKFYPQQVTKYWDNGSC	2375.6	8.2	1	2	8480	53.5
DFKINRTWADIPVAGKVGSC	2177.5	8.2	2	3	5500	78
DMQMIFRQNPYSAPFKNGSC	2334.6	8.2	1	2	1490	24.5
DQWNNVLIFPRISSQKYGSC	2355.6	8.2	1	2	6990	73
FPAWDKSLAQVVVKPPPGSC	2126.5	8.2	1	2	5500	73
GFWMSPATYPMRNIFGSC	2359.7	8.2	0	1	8480	24.5
HHFTQRMMNYLHPYGIGSC	2455.8	8.2	0	1	4470	39
IALASGATPNAGYRMYAGSC	1974.2	8.2	0	1	2980	64
KNPNTEISNYWRAMQFGSC	2303.5	8.2	1	2	6990	24.5
LSIEERPAVWWKIVYRIGSC	2405.8	8.2	2	3	12490	112
NFIWGVDRKNKPDARSAGSC	2265.4	8.2	3	4	5500	39
NFVMWDRSNISNPPMYKGSC	2346.6	8.2	1	2	6990	34

NMREYGWRLWMYLAWREGSC	2608	8.2	2	3	19480	44
QLQGAKMWEDQRQTNLKGSC	2321.6	8.2	2	3	5500	44
QPAKDRRGDQIVDKILWGSC	2285.6	8.2	3	4	5500	78
QTQQTWTPNKLWNWKEVGSC	2434.7	8.2	1	2	16500	34
REWNGKWWERQVGKVDGSC	2506.7	8.2	3	4	22000	29
RMRMPLKADDWEWRNKEGSC	2508.8	8.2	4	5	11000	24.5
RVENGKYWWELFNLGGRGSC	2371.6	8.2	2	3	12490	53.5
RVNYKSNDVGNTPTNIGSC	2136.3	8.2	1	2	1490	48.5
RWLSIWEDKPFLQVQKTGSC	2421.8	8.2	2	3	11000	73
VEWFLRPTWKHVYIHHQGSC	2523.9	8.2	1	2	12490	68
VLTMGIKPQNHDIFIARPGSC	2184.5	8.2	1	2	0	78
WITGWYSMNSTGYGRWPGSC	2309.5	8.2	0	1	19480	19.5
WWQMYMPWQNRQGMKEAGSC	2517.9	8.2	1	2	17990	5
YMNQPRPGNDRVKFEMGSC	2342.6	8.2	2	3	1490	34
YQAITQVPLILFGQKLMGSC	2210.6	8.2	0	1	1490	117
DAHVMEVKKIRQANWPIGSC	2282.6	8.21	2	3	5500	78
DDRHTKTRSYPHGWQWVGSC	2432.6	8.21	2	3	12490	34
DNRGVWPFYQVHPKHFPSC	2371.6	8.21	1	2	6990	29
DPQKGTTRRRKDHDMPDLGSC	2312.5	8.21	4	5	0	19.5
DVRYVYHHHKKHNFMERGSC	2528.8	8.21	2	3	2980	48.5
DWTWEARKHAMENFKVRGSC	2451.7	8.21	3	4	11000	24.5
FDKGVHNVRYVTVFWQPGSC	2339.6	8.21	1	2	6990	58
FFKMNTSFDLHYWVSTRGSC	2426.7	8.21	1	2	6990	34
FGWLHFVPFTKDASGKNGSC	2198.4	8.21	1	2	5500	39
FMTQLIDSAIFPWHKKTGSC	2310.7	8.21	1	2	5500	63.5
FMVTQKVYIQVQAWHASGSC	2283.6	8.21	0	1	6990	73
FQAQMERLAIWYHKASIGSC	2339.7	8.21	1	2	6990	73.5
FQNMLVGARYAVVHTFNGSC	2306.6	8.21	0	1	2980	68
FQVWSVAHNVIETKKGGGSC	2147.4	8.21	1	2	5500	68
FRNFFMGYHLWLKWELQGSC	2562.9	8.21	1	2	12490	58.5
FWKNQHILREALTTYSSGSC	2341.6	8.21	1	2	6990	63.5
FYGQGWWRWPNTIHLKEGSC	2378.6	8.21	1	2	12490	53.5
GGWIRIGAMYWMDHKAPGSC	2236.6	8.21	1	2	12490	49
GHIPKVQEFLRMEIVFKGSC	2318.7	8.21	2	3	0	87.5
GHLVSKDRKVAWAEFNWGSC	2290.5	8.21	2	3	11000	58.5
GHYDQRMNLNMYNPFPRLGSC	2399.7	8.21	1	2	2980	39
GLSPVDSKKTADIWHRGSC	2170.4	8.21	2	3	5500	78
GNFHIQAIMPYATGFIKGSC	2155.5	8.21	0	1	1490	68.5
GPSHNYSIAARAKWDSNGSC	2121.2	8.21	1	2	6990	34.5
GRHEGKNIPDLLRYIMWGSC	2345.7	8.21	2	3	6990	78
GSSSPSGKSLNFYWHLIGSC	2127.3	8.21	0	1	6990	58.5
GVLVYNGKLGREGIHTMGSC	2091.4	8.21	1	2	1490	87.5
GVNYSSWPMDQRHAKMGGSC	2211.4	8.21	1	2	6990	19.5
GWVGSVSKQWPHYQVNAGSC	2190.4	8.21	0	1	12490	48.5
GYRADQHNQTARTWWQGSC	2428.5	8.21	1	2	13980	10
HDNKFLSMRKTDASSGGSC	2142.3	8.21	2	3	0	24.5
HDWNVAWELRRWKALIYGSC	2503.8	8.21	2	3	17990	83
HFANEWRWNVLVYVGKNGSC	2379.6	8.21	1	2	12490	68
HFSKESWKERLVSTAVGGSC	2208.4	8.21	2	3	5500	53.5
HFVYRMTDPITPAFTFKGSC	2318.6	8.21	1	2	1490	39
HHYSDWKVHHAVPYLRVGSC	2391.6	8.21	1	2	8480	68
HISSKTYTSTPPIRHDQGSC	2215.4	8.21	1	2	1490	39

HKHFRMFIYWDLPWVVGSC	2535	8.21	1	2	12490	87.5
HKMVFRAGTSTEWVYQVGSC	2286.6	8.21	1	2	6990	48.5
HKTFLMVQVFQFLYQGGSC	2380.8	8.21	0	1	1490	68
HLAHPKDKTEFTHHYVRGSC	2363.6	8.21	2	3	1490	39
HLNLALMAVEDLKSMRGSC	2216.6	8.21	2	3	0	102.5
HLWDAAYAIIKARLTWVGSC	2232.5	8.21	1	2	12490	98
HMAGGYWHSMRSIKNDSGSC	2224.4	8.21	1	2	6990	24.5
HMKFQVLLMMMITTNYPGSC	2345.8	8.21	0	1	1490	73
HMPEMPNMTRPPQYKMGFGSC	2382.8	8.21	1	2	1490	0
HNLWRLYHSSYADNRGQGSC	2364.5	8.21	1	2	8480	44
HPNATMITVYTRDVYRTGSC	2285.5	8.21	1	2	2980	53.5
HQVAIIGWMDWKTIFVKGSC	2319.7	8.21	1	2	11000	92.5
HRKWAVFDSQAVPYQHGGSC	2273.5	8.21	1	2	6990	39
HRNYMPFNIIDFPWRQYGSC	2544.8	8.21	1	2	8480	39
HRQSKWDSWAPNYIIFNGSC	2409.6	8.21	1	2	12490	44
HSQPLQTHYTWNYHKGSC	2437.6	8.21	0	1	8480	39
HWFSNLKPSGMYIMTLGSC	2259.6	8.21	0	1	6990	58.5
HWSKGLIIMKWSLPSMDGSC	2276.7	8.21	1	2	11000	78
HYQTIFRKGDHWAIDLRGSC	2403.7	8.21	2	3	6990	63.5
IFPKLGTMHFIAKDMTNGSC	2211.6	8.21	1	2	0	63.5
IGMTSFHSGYTPMPRQYGSC	2220.5	8.21	0	1	2980	19.5
IHNFKKQVDTVQTNNAWGSC	2290.5	8.21	1	2	5500	53.5
IIRVRVTYKSESDSHHMGSC	2305.6	8.21	2	3	1490	68
IKWLAKLWHPVFAGFDVGSC	2274.7	8.21	1	2	11000	97.5
ILNALYQHTQGRYRDNFGSC	2356.6	8.21	1	2	2980	63.5
IPGANGMKSHYITTVHGGSC	2074.3	8.21	0	1	1490	58.5
ITVPYGHWWIFNAFWKPGSC	2360.7	8.21	0	1	12490	58.5
IVDIRLFNEKQHQKMQAGSC	2345.7	8.21	2	3	0	78
KGIGPITDGYMPQRWHVGSC	2202.5	8.21	1	2	6990	53.5
KGLHDRNEKLWGMSSIWVGSC	2304.6	8.21	2	3	11000	58.5
KHEMWNWVFLTVNKERVGSC	2463.8	8.21	2	3	11000	63
KHLMWPMPFQWWYWVFGSC	2617.1	8.21	0	1	23490	34
KIFGTAYPMIAQIHFNGGSC	2155.5	8.21	0	1	1490	68.5
KIIVDHAGINIMMQMWKGSC	2275.7	8.21	1	2	5500	97.5
KPKPNTIWTDLPGILHAGSC	2148.5	8.21	1	2	5500	83
KPMNHKGTMNPANMNPDGSC	2144.4	8.21	1	2	0	5
KPSQKPNNITDVIFIHSGSC	2185.4	8.21	1	2	0	73
KQPAFPTWNSFHVLQYGSC	2347.6	8.21	0	1	6990	39
KRQLQSDWFYMWHDHWARGSC	2600.9	8.21	2	3	17990	24.5
KSGDNPHNERNIKALIAGSC	2124.3	8.21	2	3	0	68.5
KVDRLQWPLHDPINSKHGSC	2330.6	8.21	2	3	5500	73
LADNTEGWKWLAWRHKGSC	2371.7	8.21	2	3	16500	68.5
LGHQIFNIITLKLATEKGSC	2186.6	8.21	1	2	0	122
LGPSEKLGDFAWKWVGSC	2273.6	8.21	2	3	11000	58.5
LIVFTKGHRMYNDIPTNGSC	2266.6	8.21	1	2	1490	73
LKALNQMMHKDIANNVGGSC	2141.4	8.21	1	2	0	83
LKSRAYTFQGTASADHFGSC	2147.3	8.21	1	2	1490	34.5
LLKQRMHGDMDTKLQGPSC	2215.5	8.21	2	3	0	58.5
LSHDPRPQEMMNKWKGTGSC	2302.6	8.21	2	3	5500	19.5
LVGWYNLNFHGHKHNAPGSC	2185.4	8.21	0	1	6990	63.5
LWPPRFRIYELHFKDHPGSC	2498.8	8.21	2	3	6990	58.5
NAEHNKRYMWLMMLMTWGSC	2502.9	8.21	1	2	12490	44

NAIHQMAVFQGYRPKADGSC	2193.4	8.21	1	2	1490	49
NAVIPTKKHGETTMVPNGSC	2084.3	8.21	1	2	0	53.5
NDIAMRYHLGYFRMSQLGSC	2362.7	8.21	1	2	2980	63.5
NHGNWPSRAFYQYMNWLYGSC	2431.6	8.21	0	1	13980	24.5
NKMPKLAPVILHSLQFEGSC	2212.6	8.21	1	2	0	97.5
NKTFHRNIYTGDNFAAQGSC	2244.4	8.21	1	2	1490	29.5
NKYMFIHGINSLQNMQQGSC	2313.6	8.21	0	1	1490	58.5
NPMNHVAPWIKKTDWLAGSC	2268.6	8.21	1	2	11000	63.5
NPMPHASVWEVPARAKYGSC	2200.5	8.21	1	2	6990	44
NRDHVKNGMKNQQVIEVGSC	2256.5	8.21	2	3	0	63
NSIPQKPIGRYTALVEHGSC	2170.4	8.21	1	2	1490	78
NSNTIMAYHQMGGGKPGSC	2081.3	8.21	0	1	1490	24.5
NTKQDYGHWHRGERLQLGSC	2385.6	8.21	2	3	6990	39
NTTSVKFGYPSVMPWTHGSC	2199.4	8.21	0	1	6990	29
NWFWTWQRFEKFHQGYSGSC	2594.8	8.21	1	2	17990	0
NYHTNMYSENQRRHNGTGSC	2369.4	8.21	1	2	2980	0
QEMPARRHRNDNDYNKQGSC	2419.5	8.21	3	4	1490	5
QEQKDSLHAINLQMKTRGSC	2287.5	8.21	2	3	0	63.5
QIGSYNWLHVAPFAKLMGSC	2222.6	8.21	0	1	6990	83
QIQKSSEAMWKVHAANQGSC	2203.4	8.21	1	2	5500	49
QLFWLTRKHKSLNHDDIGSC	2398.7	8.21	2	3	5500	78
QMAILNRRDEKHKTGDSGSC	2246.5	8.21	3	4	0	44
QNIKMAGYHWWVELWRGSC	2421.7	8.21	1	2	17990	58.5
QNNKQVHLVIKEGLSQQGSC	2210.4	8.21	1	2	0	87.5
QPLWHSYRSFGPLAEMKGSC	2294.6	8.21	1	2	6990	44
QQQTLDKNHIRMGSLGYGSC	2236.5	8.21	1	2	1490	58.5
QSMIVSNAKKHVEFNFGSC	2240.5	8.21	1	2	0	53.5
QVNKAVSWYLVWHLWHQGSC	2441.7	8.21	0	1	17990	87.5
QWNHNVYNIYWNVRVDGSC	2523.7	8.21	1	2	13980	63
RDYGNRTTIIHYLQISNGSC	2311.5	8.21	1	2	2980	78
RFHMNGAKIYFRAETSGSC	2304.5	8.21	2	3	1490	29.5
RFQLTQHYAQFWGHYTWGSC	2516.7	8.21	0	1	13980	24.5
RGMWFYMDQQGRHWYGNNGSC	2479.7	8.21	1	2	13980	0
RKHWDRPSQGVFAFSYPGSC	2307.5	8.21	2	3	6990	19.5
RKVLVAMHEQTMFAQWYGSC	2385.8	8.21	1	2	6990	58.5
RQHYINYTAAGGIIVMPGSC	2151.4	8.21	0	1	2980	83
RQWTAHKGVREWSFDPYGSC	2410.6	8.21	2	3	12490	19.5
RQYPWNHFFRYTIGWPDGSC	2530.8	8.21	1	2	13980	19.5
RSFITWMKYAHITGADMGSC	2275.6	8.21	1	2	6990	49
RSPPWAKHQMVYIIFWVGSC	2421.8	8.21	1	2	12490	58.5
RVKFNEMAHKRAEWTWDGSC	2451.7	8.21	3	4	11000	24.5
RVLPDKRHRDNIANYEGGSC	2300.5	8.21	3	4	1490	58.5
RWETSSEHLWWVGLYRKGSC	2480.7	8.21	2	3	17990	53.5
RWMYTMWFWHYAPNPGTGSC	2491.8	8.21	0	1	19480	5
RWRFWYWHVYSVMPETGSC	2677	8.21	1	2	24980	29
VIHGVHETQKVVSTRFMGSC	2215.5	8.21	1	2	0	77.5
VKIHMLGWWNFPTSHTSGSC	2288.6	8.21	0	1	11000	53.5
VLWTIHQVTWARKFLHDGSC	2397.7	8.21	1	2	11000	92.5
VMHHNIRWMWPFMAPIYGSC	2476.9	8.21	0	1	12490	58.5
VVLMNTQHSNNNHVIAKGSC	2166.4	8.21	0	1	0	87.5
WGFHKYPLGTWLDLSLRGSC	2336.7	8.21	1	2	12490	78
WKLMQFNHNDALVKLGIGSC	2274.6	8.21	1	2	5500	97.5

WKPLWSLHWDQQTSNKTGSC	2402.6	8.21	1	2	16500	39
WNHVKKRTSVEDFGAPNGSC	2232.4	8.21	2	3	5500	34
WNKTKDPNTSVGHVQAVGSC	2128.3	8.21	1	2	5500	48.5
WQHGGYWAGWSQKQDRPGSC	2414.6	8.21	1	2	17990	5
WQKNETALQSIHSVTSKGSC	2204.4	8.21	1	2	5500	58.5
WRIMYNHAQLPSHGMVNGSC	2365.6	8.21	0	1	8480	44
WRMVHKKIYPLPEQIAVTGSC	2328.7	8.21	1	2	6990	92.5
WVHKGWEGPTIFIFSPKGSC	2276.6	8.21	1	2	11000	53.5
WVSIGWMHEYFYRRMMWGSC	2626	8.21	1	2	19480	34
WYWSHGVQEFYRAGVPGSC	2385.6	8.21	1	2	13980	34
YATEWNQQPRTHLLNKQGSC	2374.6	8.21	1	2	6990	44
YDIVRVHASSSAAFQIKGSC	2139.4	8.21	1	2	1490	83
YGKDHQAAQLNTLLRAFGSC	2193.4	8.21	1	2	1490	73.5
YGPSDAFKITRFHQSSGSC	2216.4	8.21	1	2	1490	24.5
YHRGAGMFEEMPQKGRWGSC	2327.6	8.21	2	3	6990	5
YHVYFSGHTDRRAILAWGSC	2339.6	8.21	1	2	8480	63.5
YKLHMVAAAPSIGGMGPGSC	1947.3	8.21	0	1	1490	68.5
YMNEPWLMPMWYRFMRHGSC	2636.1	8.21	1	2	13980	19.5
YQFDMFPDPRPYMVRHRGSC	2502.8	8.21	2	3	2980	14.5
YQSHKNPQHIPS NFSIWGSC	2330.5	8.21	0	1	6990	39
YRPDMATFQVFKFGLHWGSC	2390.7	8.21	1	2	6990	39
YSSQNFGPFLHSRYVTMGSC	2281.5	8.21	0	1	2980	34
YVLIYHLHLDNFNQRGGSC	2404.7	8.21	1	2	2980	112
YWHQWNMQLSMLSKHGMGSC	2424.8	8.21	0	1	12490	39
AGYHHGVNRFTGYYSYGSC	2252.4	8.21	0	1	5960	39
DYEMHTWRWRWNWFMKQGSC	2748.1	8.21	2	3	23490	0
FMDITKANIHLPGPKLQGSC	2170.5	8.21	1	2	0	83
GMVKDTGRTMALNHMVYGSC	2171.5	8.21	1	2	1490	53.5
GNDATVTNPRKMGHLYTGSC	2122.3	8.21	1	2	1490	39
GNRAQYHWLQIFEQTGKGSC	2323.5	8.21	1	2	6990	44
GNWAHEFGFLIRDWKQKGSC	2379.6	8.21	2	3	11000	44
GQDLTTAHLMWIKARGYGSC	2208.5	8.21	1	2	6990	68.5
HFVWMVMVTFRDGYIKVTGSC	2464.9	8.21	1	2	12490	48.5
HKMPNFSTKLLPDMTWMGSC	2324.7	8.21	1	2	5500	39
HMIWGPWQYSRTKDPFNGSC	2410.7	8.21	1	2	12490	19.5
HNVIEVERKGQKMGGQFGSC	2275.5	8.21	2	3	0	48.5
IKKNFQIQHIWPGWDFVGSC	2403.7	8.21	1	2	11000	73
IPHAIFKYFNWHWGLPSGSC	2360.7	8.21	0	1	12490	63.5
ISAQIRVYWHGTYTRDWGSC	2399.6	8.21	1	2	13980	58.5
KKLHKDAMTHHIHDQFPGSC	2330.6	8.21	2	3	0	44
KPATLYPGWVAPAAGHMGSC	2014.3	8.21	0	1	6990	54
KSVSPFLSRSDNQHG YIGSC	2182.4	8.21	1	2	1490	53.5
KVMIVFHAMHYLG MNQGGSC	2223.6	8.21	0	1	1490	73
LGFFLQISTVSPMSHYKGSC	2202.5	8.21	0	1	1490	73
LHRDQQTMKWRPPYDHVGSC	2454.7	8.21	2	3	6990	34
LMVKPTHWYNHMGILGFGSC	2291.7	8.21	0	1	6990	73
LTPGNSHQHYPKRTIFDGSC	2258.5	8.21	1	2	1490	39
NFGKWLVGANRHREQDYGSC	2337.5	8.21	2	3	6990	39
NFLHDIKMIVKVMQFGQGSC	2295.7	8.21	1	2	0	87.5
NKHQVNPQQKMGMDILSGSC	2215.5	8.21	1	2	0	53.5
NRLKHILDDVRYPTWWAGSC	2430.7	8.21	2	3	12490	78
QARHHYYFLLGGQFNWNGSC	2398.6	8.21	0	1	8480	44

QENAWRMISHKSVVSNYGSC	2296.5	8.21	1	2	6990	53.5
QKTKRPDTHNILVFLDVGSC	2271.6	8.21	2	3	0	87.5
QTVMQKTTTNNVQYWQHGGSC	2377.6	8.21	0	1	6990	29
RGIHVQISFVNYPYWHFGSC	2410.7	8.21	0	1	8480	68
RNSAMPAYFNYHIPIGAGSC	2169.4	8.21	0	1	2980	54
RVIIIPAQFKHWMLVDNGSC	2377.8	8.21	1	2	6990	92.5
VDRARHQVWYFTFVLQHGSC	2449.7	8.21	1	2	6990	68
VKILVWTHNPHASFPAMGSC	2195.5	8.21	0	1	5500	78
VSQGNFGMLRTHGKHFEFGSC	2192.4	8.21	1	2	0	34
WFKVMWTNNKEPFHIGTGSC	2382.7	8.21	1	2	11000	34
WPHAYRHDQMHKYVLNHGSC	2479.7	8.21	1	2	8480	39
WRFEEEAGYRMHKVRIQGSC	2482.8	8.21	3	4	6990	39
WRYRPFAPVDAPYPHNGSC	2290.5	8.21	1	2	8480	24.5
WTIKTVTKDHVTIWMMPMGSC	2334.7	8.21	1	2	11000	68
WTNRHYVLYTNAIEHGRGSC	2377.6	8.21	1	2	8480	58.5
WVMWKASNPREYWGHHQGGSC	2413.7	8.21	1	2	17990	19.5
AIDKWKSSISVFWLGYGSC	2246.6	8.22	1	2	12490	92.5
AIMNNMWGMPYGDKFKLGSC	2263.6	8.22	1	2	6990	44
AWAFMFYIKFVFTSLVYGSC	2380.8	8.22	0	1	8480	78
AWMGYIWLMSKFNYSTQGSC	2373.7	8.22	0	1	13980	44
DDTFLINQQMRNVRQTKGSC	2354.6	8.22	2	3	0	53.5
DGDTVWRLPKSRFVGIGSC	2192.5	8.22	2	3	5500	82.5
DIMKQTSGMTVMWWRIAGSC	2283.7	8.22	1	2	11000	78
DKHNFMWKFNHTVNFTMGSC	2444.7	8.22	1	2	5500	14.5
DLPAMGRPFRAQGFYAGGSC	2101.3	8.22	1	2	1490	34.5
DMSDGRSPTNPWRMKQLGSC	2266.5	8.22	2	3	5500	19.5
DPRKMSPTFMKHLHEQNGSC	2343.6	8.22	2	3	0	19.5
DQREWSVWLRSFKNSQFGSC	2460.7	8.22	2	3	11000	34
DQWMTMRVKFRDWVQLIGSC	2499.9	8.22	2	3	11000	68
DYSMMSQRRTSIFVGTWGGSC	2312.6	8.22	1	2	6990	34
FAPNIHWHTEVGSVQKKGSC	2225.5	8.22	1	2	5500	53.5
FDNIMTKMQFGMRVQTMGSC	2325.7	8.22	1	2	0	34
FEHAPRKVHYNVMATSNNGSC	2248.5	8.22	1	2	1490	39
FFSMMLYQFIQAGIRIWGSC	2380.8	8.22	0	1	6990	102.5
FLNNTQLFRPQDKRAESGSC	2311.5	8.22	2	3	0	44
FREFFDRNVIQTIMWWKGSC	2563.9	8.22	2	3	11000	53.5
FWLNKTRGEIDMQMQRAGSC	2371.7	8.22	2	3	5500	44
GAALKGAYHHHGNMVAPGSC	1978.2	8.22	0	1	1490	54
GGIGAKQMKHQLHAQDAGSC	2037.3	8.22	1	2	0	54
GHPAGEFDVKHGIKRTGSC	2067.3	8.22	2	3	0	44
GHWWEHRMKTTLKIQQGEGSC	2340.6	8.22	2	3	11000	39
GKIFTENTYGWFRSFHHGSC	2374.6	8.22	1	2	6990	19.5
GLIKGKGTAHHGMSMNGSC	2015.3	8.22	1	2	0	44
GLYVIRNPISNSGNSGVGSC	1994.2	8.22	0	1	1490	87.5
GMNKGEGAQGPRANLALGSC	1931.1	8.22	1	2	0	54
GMVKQKMHGHQDTTILVGSC	2170.5	8.22	1	2	0	68
GQSTLSRLSIDWKGFALGSC	2126.4	8.22	1	2	5500	83
GRIGIEGQKIQTPNFQWGSC	2219.5	8.22	1	2	5500	58.5
GSMGFYGLTTDRWGAVRGSC	2121.3	8.22	1	2	6990	39
GSNASNSTRDNIRGATYGSC	2031.1	8.22	1	2	1490	29.5
GTRQSQEWAGRQYMWFAAGSC	2349.5	8.22	1	2	12490	10
GWNAANYAEVNGIQRPPGSC	2163.3	8.22	1	2	6990	49

GWNPTDFKQHWGIKPMHGSC	2326.6	8.22	1	2	11000	19.5
HAAQTADVKIIFLMKMHGSC	2201.6	8.22	1	2	0	88
HFAEIMHNDKWMMRKIHGSC	2471.9	8.22	2	3	5500	44
HKFRPYQWAASEHPQSWGSC	2402.6	8.22	1	2	12490	10
HNGKDIKADRVTLAHHGSC	2187.4	8.22	2	3	0	63.5
HNLLVKNDNKTARELHTGSC	2250.5	8.22	2	3	0	78
HQQPMQYRVHEQKGPFGSC	2354.6	8.22	1	2	1490	14.5
HRSEDQQQKFNHFLHFKGSC	2473.7	8.22	2	3	0	19.5
HSPVANQMTGEGQKHGKGGSC	2053.2	8.22	1	2	0	19.5
HTMARYYIPMSTLWHNHGSC	2405.7	8.22	0	1	8480	44
IDVVPKVRNNGSNSMFGSC	2111.3	8.22	1	2	0	63
IEGMEVDRTQFVKQRMGSC	2370.7	8.22	3	4	0	48.5
IFMMVFPYPVPWRNPWNGSC	2441.9	8.22	0	1	12490	48.5
IMTHHYPMNHGWKRTGDGSC	2328.6	8.22	1	2	6990	19.5
IMVDKRRNALTFREWADGSC	2368.7	8.22	3	4	5500	63.5
IRENKTPFVNWSFGAINGSC	2240.5	8.22	1	2	5500	58.5
IRVGEATMQALTKRQEMGSC	2209.5	8.22	2	3	0	63.5
ITRILQLYFFNQVNFQTGSC	2392.7	8.22	0	1	1490	92.5
KDKVEFHVHPHMIRMGNGSC	2322.7	8.22	2	3	0	48.5
KLVAWGASTWVLIGIAGGSC	1989.3	8.22	0	1	11000	122
KPISIFDVEGQWSIRRSWSC	2265.5	8.22	2	3	5500	73
KPRQQRESGPAPDAREVWSC	2168.3	8.22	3	4	0	24.5
KQVWPVRMPWLFELGMGGSC	2321.8	8.22	1	2	11000	68
KRREWHQAHVMSVDGEGSC	2340.6	8.22	3	4	5500	34
KRVPLTQLAPSGMIDGMGSC	2061.4	8.22	1	2	0	78
KSTTRALMVDGWVTTQVWSC	2140.4	8.22	1	2	5500	68
KSWVHYHMHGASWPVSWGSC	2270.5	8.22	0	1	12490	34
KVRAFYLHDDRGHILIHGSC	2337.6	8.22	2	3	1490	97.5
LA AVRKIEPLEFQVQMRGSC	2275.7	8.22	2	3	0	97.5
LAGARSLKVTTTATAEGSC	1950.2	8.22	1	2	0	93
LANVLYREQTRPNATERGSC	2278.5	8.22	2	3	1490	63.5
LFFNIWPRRDPYWPAAWGSC	2482.8	8.22	1	2	17990	49
LGPKWWNDESRNQNRNIGSC	2407.6	8.22	2	3	11000	39
LIATLVAKGLLLALTAGSC	1941.4	8.22	0	1	0	190.5
LLTEQKGFQAIIPNNRGGSC	2146.4	8.22	1	2	0	83
LNIMDRGTRQAPKEALLGSC	2173.5	8.22	2	3	0	88
LQEFNYRMNTAKVIHAHGSC	2319.6	8.22	1	2	1490	63.5
LQLKREMDQFDLFRRMVWSC	2472.9	8.22	3	4	0	73
LRGDDQRTRPKAELQWQWSC	2344.5	8.22	3	4	5500	44
LRSGPVRSVVDGMSPTYGSC	2068.3	8.22	1	2	1490	63
LVWTIDKMIQRMGAWMLGSC	2339.8	8.22	1	2	11000	97.5
LWPRSPPAIQVAWYPNIGSC	2255.6	8.22	0	1	12490	83
LYTFLIPLLAMQMRPVMGSC	2284.8	8.22	0	1	1490	117
NARNGRLRLTDLMENNLGSC	2219.5	8.22	2	3	0	83
NFRIAIVTQAIAKADGERGSC	2149.4	8.22	2	3	0	88
NHMFKFYTGHEQTGRTGSC	2329.5	8.22	1	2	1490	0
NKSQVWFIWIGEARTQGGSC	2267.5	8.22	1	2	11000	58.5
NLVRKSALFQFMNPWQDGSC	2341.6	8.22	1	2	5500	58.5
NNGSWPPAKLNSQQTWNGSC	2189.3	8.22	0	1	11000	24.5
NNMSVQIRWDVEKRSAPGSC	2277.5	8.22	2	3	5500	53.5
NPNVGNYGRFSIMIQNQWSC	2199.4	8.22	0	1	1490	53.5
NSPFTVWVFAKQRLDQQWSC	2311.6	8.22	1	2	5500	53.5

NWFESVARDMKATRWASGSC	2302.5	8.22	2	3	11000	29.5
NYGNFKWLHHTIINFTHGSC	2389.6	8.22	0	1	6990	58.5
QALQIQINQYTIPLVRAGSC	2216.5	8.22	0	1	1490	122
QEGAHWKLVGWKWLQVHGSC	2349.7	8.22	1	2	16500	73
QEHVKNRLRYFEHPGFQGSC	2432.7	8.22	2	3	1490	34
QFFQRYVNGSSIFVPMMGSC	2298.6	8.22	0	1	1490	48.5
QKLNEQWILTTNNLGRAGSC	2246.5	8.22	1	2	5500	83
QKMKATHLESDRHTVWQGSC	2342.6	8.22	2	3	5500	39
QQKWYHQIWLWQGHTHFGSC	2570.8	8.22	0	1	17990	39
QRNRHTSDDHKYNRDHTGSC	2427.5	8.22	3	4	1490	0
QSSFKRALGTRPEEWTGSC	2287.5	8.22	2	3	5500	24.5
RADGRAIGMNDQVRQPYGSC	2194.4	8.22	2	3	1490	44
REAWQNMFGKGIVLVTNGSC	2210.5	8.22	1	2	5500	73
REHNSHWIMLLKIKQEMGSC	2440.8	8.22	2	3	5500	78
RHYRHVWQHGGQDKWWEGSC	2608.8	8.22	2	3	17990	34
RIAWPEQSYRKLHEGSHGSC	2341.5	8.22	2	3	6990	44
RIIRWSPGQDAKFQDQNGSC	2306.5	8.22	2	3	5500	44
RIQNDKQNIQVMPQLPGSC	2282.6	8.22	1	2	0	92.5
RISGTFLGSFIDQKTPWGSC	2200.5	8.22	1	2	5500	58.5
RLISNGFLAERPLGYVPGSC	2149.5	8.22	1	2	1490	97.5
RMSADSYGRGIPSVAMSGSC	2032.2	8.22	1	2	1490	44
RNPQNVQIKVQQPLLGDGSC	2194.4	8.22	1	2	0	87.5
RPKMEQAANGELWTMLRGSC	2278.6	8.22	2	3	5500	49
RPLFFSHLAKLLNHYTEGSC	2333.6	8.22	1	2	1490	83
RPLFTPLTIGVRENKESGSC	2204.5	8.22	2	3	0	73
RQMTTAQNHYHVEGKPLGSC	2257.5	8.22	1	2	1490	39
RSKLFDQVSVWVNPPAGSC	2191.4	8.22	1	2	5500	68
RTHAPISYAMHYLMAAHGSC	2217.5	8.22	0	1	2980	59
RTPNEPSLASSTPMPKSGSC	2047.2	8.22	1	2	0	24.5
RVDTENPALWMSSNRAKGSC	2222.4	8.22	2	3	5500	44
RVQYVAFQAINWAPLSWGSC	2296.6	8.22	0	1	12490	83
RWMMRTVFGAPEEYNFRGSC	2437.7	8.22	2	3	6990	19.5
VAVLVLVIVAVRIAILVGSC	2007.5	8.22	0	1	0	233.5
VFARVGMLFARIQIEFIGSC	2257.7	8.22	1	2	0	117
VGFWRWQMMPPTPSLSFGSC	2311.6	8.22	0	1	11000	34
VMMLLRLAQIWMISENRGSC	2351.8	8.22	1	2	5500	117
VMSNDILLTRDRGNSRAGSC	2165.4	8.22	2	3	0	78
VNNAQNTAQLRIPPPVGGSC	2036.2	8.22	0	1	0	78
VTFNNFRNLEAIINRGAGSC	2196.4	8.22	1	2	0	83
VTLLFIISQWGGTRSGFGSC	2129.4	8.22	0	1	5500	92.5
WAWDRKLGELMVRWLFQGSC	2481.9	8.22	2	3	16500	78
WFRMQNRWQDLMQTPYMGSC	2578.9	8.22	1	2	12490	19.5
WGPINQRFGNFSYFPFQGSC	2352.6	8.22	0	1	6990	19.5
WHKSYMRLRHLVDHQGDGSC	2425.7	8.22	2	3	6990	53.5
WIIALWQAATASTMWTKGSC	2225.6	8.22	0	1	16500	78.5
WIIPVAKINWSAATLQAGSC	2129.5	8.22	0	1	11000	112.5
WKPVPMRDFRTQPLMGDGSC	2321.7	8.22	2	3	5500	34
WLGPTKNFVGDMARAFGSC	2156.5	8.22	1	2	5500	58.5
WLMPLRDKAMNPNSRFEGSC	2352.7	8.22	2	3	5500	44
WLRPVIVVWVMGPILFEGSC	2330.8	8.22	1	2	11000	121.5
WMMHSSMEHKQGYRWQMGSC	2500.8	8.22	1	2	12490	0
WMYSQIAVGPPVISRLWIGSC	2266.7	8.22	0	1	12490	112

WNTQRPYSSMPRRLDIDGSC	2382.6	8.22	2	3	6990	39
WPPQPFGSQNYSPRVGWGSC	2250.4	8.22	0	1	12490	14.5
WTINQYGMILLIATRTVGSC	2240.6	8.22	0	1	6990	117
WTKAAWMVVGLFSGAAMGSC	2073.4	8.22	0	1	11000	68.5
WVEMVGMWKFRGSRDQVGSC	2358.7	8.22	2	3	11000	43.5
WVWLNKATSFNNGNELRGSC	2296.5	8.22	1	2	11000	58.5
YATPVATAGFLANTIRWGSC	2099.3	8.22	0	1	6990	73.5
YENTNTVWNIRWNPFRGSC	2454.7	8.22	1	2	12490	34
YFIEVRWSTVSIHHKGSC	2363.7	8.22	1	2	6990	87.5
YNQAFPQMGSNMQRLQGSC	2307.6	8.22	0	1	1490	24.5
YTQWFSWTLTFVRNWTTGSC	2484.7	8.22	0	1	17990	34
AETLKVKSMTIPLNYLWGSC	2254.6	8.22	1	2	6990	97.5
AMGWNIIIRVKDYDMFGMGSC	2342.7	8.22	1	2	8480	58.5
APQPGWGSFRKVDYNEKGSC	2226.4	8.22	2	3	6990	19.5
DRMEGKDARVTDRRRDSGSC	2310.5	8.22	5	6	0	19.5
FDGVTANPLFTMNTKRVGSC	2158.4	8.22	1	2	0	53.5
FNFAQPKERQMPMRDFVGSC	2388.7	8.22	2	3	0	19.5
GDWPRKNIPTMSWIRTGSC	2334.6	8.22	2	3	11000	39
GNKPVWLRREIVLDIPGGSC	2209.5	8.22	2	3	5500	107
HGRIALMKAVEPHPLYFGSC	2226.6	8.22	1	2	1490	83
HHQWDWKWKPASGLMTGGSC	2312.6	8.22	1	2	16500	24.5
HYNWKHAQWHQWWWQGGSC	2626.8	8.22	0	1	28990	5
IKSRTGAEEIQIQLLRGSC	2233.6	8.22	2	3	0	102.5
KFYHTWPANFSHPHGVFGSC	2319.5	8.22	0	1	6990	19.5
KTDHKHATGVREHNQAIGSC	2189.3	8.22	2	3	0	44
LFKILPRIFFEISMLGQGSC	2299.8	8.22	1	2	0	117
LPQTWEGIMPHKKPTWHGSC	2333.7	8.22	1	2	11000	39
LWWKAWNDTMSGQTVRGGSC	2283.5	8.22	1	2	16500	39
NPTGVLISLARFKMWPEGSC	2206.6	8.22	1	2	5500	78
QFLGEHLQHDRAKMKFNGSC	2346.6	8.22	2	3	0	44
QKAPNKFEHNVINAHNWGSC	2294.5	8.22	1	2	5500	44
QWQKFPNIPTNGLFWWSGSC	2396.7	8.22	0	1	16500	39
REQUIINLQAFFALKAGGSC	2179.5	8.22	1	2	0	112.5
VGINLQRTLAMPFTLMQGSC	2180.6	8.22	0	1	0	97.5
VQRPNRQADQTFMSAMVGSC	2226.5	8.22	1	2	0	39
WAYPPTSSTTFGFRVSIGSC	2164.4	8.22	0	1	6990	39
WFPLLVRGKALSGETERGSC	2206.5	8.22	2	3	5500	78
WGTHKHQHNKVTIAMEGSC	2265.5	8.22	1	2	5500	39
WHHVDGPNLNAEKIMRKGSC	2292.6	8.22	2	3	5500	58.5
WNSSLHQHMKMEVNWKNNGSC	2416.7	8.22	1	2	11000	34
WQRFWESWKSGLIWLIVGSC	2481.9	8.22	1	2	22000	92.5
WSFFTRWIEWGNPWKTPGSC	2485.8	8.22	1	2	22000	19.5
WSKWSDLPNSGFTIRLMGSC	2285.6	8.22	1	2	11000	58.5
WWTMDWWSMRGNAIAVKNNGSC	2313.6	8.22	1	2	16500	44
WYVHPNHYYVGERERRAGSC	2453.6	8.22	2	3	8480	34
YTNVGVIFMFNRFFGIMGSC	2303.7	8.22	0	1	1490	68
AGNNHYKWPRLEKDLFGSC	2348.6	8.23	2	3	6990	63.5
AHQWTILYYKNSNHQAIGSC	2334.5	8.23	0	1	8480	68.5
AKPQWHLRYEYQINRGGSC	2435.7	8.23	2	3	8480	44
ALYLNSIYGSHIIGWHKGSC	2219.5	8.23	0	1	8480	102.5
APYAPQQIHYWSTLGFKGSC	2254.5	8.23	0	1	8480	49
AQYSFVVGKGFIIHAQYGSC	2161.4	8.23	0	1	2980	73

ATDKTRFHFLYDYIRSNGSC	2394.6	8.23	2	3	2980	44
AYHRLYLKMDMNIIERQGSC	2441.8	8.23	2	3	2980	83
DHPWNLRTPGSYNQRWIGSC	2387.6	8.23	1	2	12490	39
DRDRRNDQNREYHRQNNNGSC	2533.6	8.23	4	5	1490	0
DTVRHIMQKVPSNMVQWGSC	2316.7	8.23	1	2	5500	63
DVIRHTTQKLVNMAGFNGSC	2191.5	8.23	1	2	0	73
DVYRRPLLHMGSFNVNFGSC	2312.6	8.23	1	2	1490	68
FDIHFRTKTSPNFLGVSGSC	2213.5	8.23	1	2	0	53.5
FERGQAVNNHRIYLWVSGSC	2336.6	8.23	1	2	6990	73
FFQVGLVKSPWTVFGVHGGSC	2195.5	8.23	0	1	5500	77.5
FLVTFANIKHITQSSAGGSC	2081.3	8.23	0	1	0	83
FMMRVHAVTFWDWLTVMGSC	2414.8	8.23	1	2	11000	68
FMSRNIRANDHDAKSGSGSC	2153.3	8.23	2	3	0	29.5
FPINGALSSHWPVMYGGSC	2167.4	8.23	0	1	6990	44
FQQMFNNISPGIKWGHGSC	2264.6	8.23	0	1	5500	58.5
FRIRGLSTRESQEKMEHGSC	2351.6	8.23	3	4	0	39
FRNIYNERIEGTLRVHFGSC	2411.7	8.23	2	3	1490	73
FRPSRTTILLNYMMHEIGSC	2369.8	8.23	1	2	1490	78
FSHFSVAGKMMSLGNTFGSC	2108.4	8.23	0	1	0	39
FSHLEWMSVFKANRFNWGSC	2446.7	8.23	1	2	11000	39
FSTWRFVHAPFAKQADNGSC	2269.5	8.23	1	2	5500	29.5
FTAPGHYQREGPSMRTSGSC	2169.3	8.23	1	2	1490	5
FTIRDIQQHWIRQYQTAGSC	2451.7	8.23	1	2	6990	63.5
FYFVDRAAAFHLINNRQGSC	2329.6	8.23	1	2	1490	68.5
GARPVVHVPRKDTVEPSGSC	2091.3	8.23	2	3	0	63
GHPLPPWRYSMRQSEWGSC	2387.7	8.23	1	2	12490	39
GIGGQAWIRQAWHIWAYGSC	2260.5	8.23	0	1	17990	73.5
GSRQNRVEFHTNYMPFSGSC	2317.5	8.23	1	2	1490	14.5
GSVPGFNRFKWSGPELHGSC	2162.4	8.23	1	2	5500	34
HDRRIIPWQVKSMNIGDGSC	2312.6	8.23	2	3	5500	73
HIIMFMMNQIGLMPKNWGSC	2351.9	8.23	0	1	5500	78
HKEMFGWIILINQVRQLGSC	2372.8	8.23	1	2	5500	112
HPGPSVTIQWNWAKALVGSC	2151.4	8.23	0	1	11000	78
HPMIKIEQWWFITIRIVGSC	2457.9	8.23	1	2	11000	112
HPTKMHQPHHLYWSLVQGSC	2386.7	8.23	0	1	6990	53.5
HQRAFWQEATIPQMGWKGSC	2361.6	8.23	1	2	11000	29.5
HRLVGNPRYWTANILDIGSC	2285.6	8.23	1	2	6990	97.5
HRWANKWILSEIMMLSFGSC	2409.8	8.23	1	2	11000	83
HRYWDMGMWTRRGDAPGSC	2339.6	8.23	2	3	12490	5
HSSAWVWRFLQRNEYMGSC	2454.7	8.23	1	2	12490	39
HSTTGKWRVQAIWSLTDGSC	2233.4	8.23	1	2	11000	58.5
HYRWNINWVSAISPVTGSC	2287.5	8.23	0	1	12490	73
IASITIHTKPLAQMWVGSC	2153.5	8.23	0	1	5500	102.5
IHSLFIARYFFRPTPAEGSC	2312.6	8.23	1	2	1490	68.5
IKHVNGTAQGFPNTLGGSC	2087.3	8.23	0	1	5500	58.5
ILDRRETAWNEHFSKFRGSC	2452.7	8.23	3	4	5500	44
ILKLEWRSLQPPNHFQMGSC	2384.8	8.23	1	2	5500	78
IPKPAHAFNQIRNFDMTGSC	2247.5	8.23	1	2	0	49
IPWGIRDHKTRPIMAEWGSC	2353.7	8.23	2	3	11000	63.5
IQSQKNPPSHTLMQFVAGSC	2173.4	8.23	0	1	0	58.5
IRLTNIDEHYRWRTMAGSC	2435.8	8.23	2	3	6990	83
IWALT VHANTV KLWGLIGSC	2182.6	8.23	0	1	11000	136.5

IWIFVHIWRYLSVDNRGGSC	2421.8	8.23	1	2	12490	107
IWYHTLWFMWLVASINRGSC	2483.9	8.23	0	1	17990	97.5
KDRLTIWGVGTHVTSLGGSC	2087.3	8.23	1	2	5500	87.5
KHWRDPLFQNWLLPQNQGSC	2467.7	8.23	1	2	11000	58.5
KNNITPVHIVFGMMAILGSC	2145.6	8.23	0	1	0	112
KRFHMRNAEQNEMTPFWGSC	2469.8	8.23	2	3	5500	5
KTFMREFQFRDTTMFHPGSC	2466.8	8.23	2	3	0	0
KVTLWDWFTVAHVRRMMFGSC	2414.8	8.23	1	2	11000	68
KWGFHTIEQSVLRWSMTGSC	2353.7	8.23	1	2	11000	53.5
LHDTTSLKDWPARRFQIGSC	2331.6	8.23	2	3	5500	63.5
LKPRQNMTRHMQNVEQDGSC	2372.6	8.23	2	3	0	34
LLGRAAVFKEAMIHWNHGSC	2216.6	8.23	1	2	5500	107.5
LQFNKMITPAAQGMIVHGSC	2146.5	8.23	0	1	0	83
LQWRHVGATKFANDMFPGSC	2265.5	8.23	1	2	5500	44
LVVMGDVMKVRQWHIATGSC	2230.6	8.23	1	2	5500	102
NARPATTNSAEIHAFKKGSC	2122.3	8.23	1	2	0	39.5
NGSSSVWTQISWHQSKIGSC	2192.3	8.23	0	1	11000	53.5
NHANMEIWQGIFNKQIRGSC	2346.6	8.23	1	2	5500	63.5
NKRQLVGPHEPIAGPNPGSC	2071.3	8.23	1	2	0	58.5
NLHGGADWLRLKWQFFPGSC	2332.6	8.23	1	2	11000	63.5
NMPYSRVQFWGIGAIHNGSC	2237.5	8.23	0	1	6990	58.5
NMVISIENANHRTRNYGSC	2280.5	8.23	1	2	1490	58.5
NNAWPPQLLFAMKGAHNGSC	2139.4	8.23	0	1	5500	54
NPEMFPRARMIEYHQPRGSC	2419.7	8.23	2	3	1490	24.5
NRGHEQGNKIFLQFAVIGSC	2218.5	8.23	1	2	0	78
NVVLQPVPWIRNQAYHNGSC	2295.6	8.23	0	1	6990	87.5
QKHNNTMPMNQNVWNFGGSC	2307.5	8.23	0	1	5500	14.5
QLMLTRAIIGTTHYVTWGSC	2251.6	8.23	0	1	6990	97.5
QLQQIMMKVDGWGRHMNGSC	2319.7	8.23	1	2	5500	53.5
QQRKENQNAPLWRFEHLGSC	2441.7	8.23	2	3	5500	44
QRVYHDISPSVLRVSWNGSC	2303.5	8.23	1	2	6990	82.5
QSRMAWGYHRLGEGSQSGSC	2197.3	8.23	1	2	6990	24.5
QVGHQKRTMIENVNWWLGSC	2386.7	8.23	1	2	11000	68
RARMHPTSEAMMWYPNVGSC	2324.6	8.23	1	2	6990	24.5
RDVGIIWWLRLGDTKIHPGSC	2309.6	8.23	2	3	11000	92.5
RFWKWLLHPWSQWSTDFGSC	2567.9	8.23	1	2	22000	39
RGGNELAGYRHSMERQVGSC	2207.4	8.23	2	3	1490	39
RHLPQFIRMQDYLVPQTGSC	2389.7	8.23	1	2	1490	73
RHNDINMNNPRNTDRMYGSC	2408.6	8.23	2	3	1490	19.5
RHYSLITNTTSWSPSTTGSC	2199.3	8.23	0	1	6990	39
RLLREWSDNQKHIAQMIGSC	2385.7	8.23	2	3	5500	83
RLSGAWHWNVNTTYIAVGSC	2235.5	8.23	0	1	12490	78
RNWEFANFQLHTENKRMGSC	2468.7	8.23	2	3	5500	24.5
RPDSVRMWVHNILGAYWGSC	2347.7	8.23	1	2	12490	73
RPEVHSKFGVVDGRIILGSC	2169.5	8.23	2	3	0	102
RPLMKPVQPRNINDHEPGSC	2288.6	8.23	2	3	0	53.5
RPPIRLRDVLNDHYEVRGSC	2395.7	8.23	3	4	1490	87.5
RTLNSYANERQHAFVMLGSC	2297.5	8.23	1	2	1490	63.5
RVMP PNSYWNGNTMHILGSC	2277.6	8.23	0	1	6990	53.5
RVPHVYAPGPQPAIIFNGSC	2123.4	8.23	0	1	1490	78
RWMIKDPVRFATTDHNPNGSC	2331.6	8.23	2	3	5500	39
VFFFAHPHIIQWVPRQIPGSC	2342.7	8.23	0	1	5500	92.5

VMRGVLTDISPHMPRNTGSC	2171.5	8.23	1	2	0	68
VPPPWPPTHFRMAWWSIVGSC	2354.7	8.23	0	1	16500	53.5
VVVSSNEWNLFRHRTTMGSC	2323.6	8.23	1	2	5500	63
WGMLRHMPMIKPRPVDVEGSC	2308.7	8.23	2	3	5500	68
WHTQAPQKPMVVPFTNGSC	2275.6	8.23	0	1	5500	34
WIGFLSMLHIVRKGPFDGSC	2263.7	8.23	1	2	5500	92.5
WIGQDNVNGRGTAQQHGGSC	2156.3	8.23	1	2	5500	39
WKGWVTMPGVLVMGVHIGSC	2157.6	8.23	0	1	11000	97
WPWTHGFRGAYALLWAPGSC	2276.6	8.23	0	1	17990	54
WQVIDWQTNGKSHLRFSGSC	2349.6	8.23	1	2	11000	53.5
WRMVIEGMVHVIVLAYRGSC	2319.8	8.23	1	2	6990	121.5
WTNSAHWANAAATSVKGGSC	2019.1	8.23	0	1	11000	39.5
WTWNNQRDMKSLHWFNFGSC	2557.8	8.23	1	2	16500	19.5
WWFDNTPRPTKWHTQTVGSC	2447.7	8.23	1	2	16500	14.5
YATQPLQMFSMATHILRGSC	2255.6	8.23	0	1	1490	68.5
YDTMIVNHVFTRPQRGAGSC	2252.5	8.23	1	2	1490	53.5
YMDMRSHETALRVRMMNGSC	2388.8	8.23	2	3	1490	39
AAQSMALAIHLFYIGKGGSC	2144.5	8.23	0	1	2980	98
FEAIHWYFVVRQATRSMGSC	2388.7	8.23	1	2	6990	58.5
FKPLFFLVMFPVQQTHWGSC	2412.9	8.23	0	1	5500	68
GTGRTYFVLMNGHAGSGGSC	1972.1	8.23	0	1	1490	39
HENMDLGVGAQRKVIRWGSC	2256.5	8.23	2	3	5500	73
HNHHLHLKLFKSEIGIDGSC	2328.6	8.23	2	3	0	78
HQKNSDANTVITTLTRGSC	2232.4	8.23	1	2	5500	58.5
HRGTVDKMVTVVWESRIGSC	2260.6	8.23	2	3	5500	77.5
IILPLFSKRSNLDNGWHGSC	2257.5	8.23	1	2	5500	97.5
INVISAINFIIHWFFKPGSC	2306.7	8.23	0	1	5500	117
IWHPWIAINSFYQRIAMGSC	2393.8	8.23	0	1	12490	88
NALRWVFAHVNNQQATYAGSC	2236.4	8.23	0	1	6990	68.5
NQVFQREHGNQMMLMIFGSC	2367.7	8.23	1	2	0	53.5
NSYDFRSQPHGENTFRRGSC	2358.4	8.23	2	3	1490	0
RDGSPFLMQTPMKHFFSGSC	2273.6	8.23	1	2	0	19.5
RGYMEGIARAASIGSNHGSC	2037.2	8.23	1	2	1490	54
RWKLNGSSNQQDNMITHGSC	2276.4	8.23	1	2	5500	39
VRVSFPRASWARNDHPEGSC	2271.5	8.23	2	3	5500	39
WLFNKLFFRDREWWHWQGSC	2742.1	8.23	2	3	22000	39
AAEWWKAWVLEAKIARPGSC	2272.6	8.24	2	3	16500	78.5
AAWTAVIPKSAWNYTIGGSC	2096.3	8.24	0	1	12490	73.5
AFRIFMEGDSQVAIAKKGSC	2158.5	8.24	2	3	0	68.5
AGSWFYRQERAWTQITGSC	2410.6	8.24	1	2	13980	29.5
AIYQWFTPAPSRTPPNYGSC	2256.5	8.24	0	1	8480	29.5
ALKTDALLATTRSVKEVGSC	2063.4	8.24	2	3	0	102.5
AMPESKVDNMRSRMYVGGSC	2218.5	8.24	2	3	1490	34
AMYVYRPAWLWAFQWQGGSC	2420.7	8.24	0	1	19480	49
APFAFYRMVISDKFNWVGSC	2338.7	8.24	1	2	6990	58.5
AVKDVLALLTKATLVSGSC	2002.4	8.24	1	2	0	156
AYLSKSPPFMWQGRDNTGSC	2245.5	8.24	1	2	6990	24.5
DRMSSQIHIFYHANRGLGSC	2292.5	8.24	1	2	1490	63.5
DTTLGPRGHDLQKHWPVGSC	2261.5	8.24	2	3	5500	39
EALDKYYWVPKNAHKHSGSC	2333.6	8.24	2	3	8480	44
EKSAWKGDHIKTYGDKVGSC	2209.4	8.24	3	4	6990	39
FNMRDTETSMFYFRHHRGSC	2522.8	8.24	2	3	1490	0

FNVVHTPSNHPWKQRGEGSC	2280.5	8.24	1	2	5500	29
FVHHTRFMLGYVRDVLFGSC	2384.8	8.24	1	2	1490	82.5
GQQPQFDDTSRAKHRFHGSC	2302.4	8.24	2	3	0	5
GSAKMRFAGWFIHDLHMGSC	2251.6	8.24	1	2	5500	49
HAKVSAPHRWEMASSFQGSC	2216.4	8.24	1	2	5500	29.5
HIIRVQASDNIKHTMGPSC	2164.4	8.24	1	2	0	78
HMIRNAQRNHDESKTWNGSC	2384.5	8.24	2	3	5500	24.5
HQHRFWELGLILKASGTGSC	2240.5	8.24	1	2	5500	83
HQLKDQFSALRMITWWHGSC	2444.8	8.24	1	2	11000	63.5
HRWQVNAESHNRKDDRGSC	2408.6	8.24	3	4	5500	39
HVIHDTVRMPIFSYNIRGSC	2345.7	8.24	1	2	1490	87.5
HWKHPMRMSAPSNPGGDGSC	2152.4	8.24	1	2	5500	5
IGTHWEHYRGRQSRDSGSC	2289.4	8.24	2	3	6990	19.5
INDSRWVTALHTGKPHGGSC	2136.3	8.24	1	2	5500	58.5
INNHVGLVWKFTHFVIGSC	2357.7	8.24	0	1	11000	102
IVTQHYQRRAMDQNIPNGSC	2337.5	8.24	1	2	1490	58.5
KFTWTTPMHGQWTSBMGGSC	2280.5	8.24	0	1	11000	0
LGMRTGDGHVMHIGMPKSC	2084.4	8.24	1	2	0	53.5
LHEAREPTMWYFIRHRGSC	2488.8	8.24	2	3	6990	58.5
LISRYGQGHTGSLHNPVSC	2083.3	8.24	0	1	1490	73
LQSAGYMHPLRWWMWGSC	2403.7	8.24	0	1	17990	44
LRDHWNFQIFHNMTKFGSC	2438.7	8.24	1	2	5500	39
NHAYVRHVLVFMREGMMGSC	2337.7	8.24	1	2	1490	68
NPAHASGPGRAWTYHWWGSC	2241.4	8.24	0	1	17990	15
NPRWPDNMLRTYHHDRFGSC	2502.7	8.24	2	3	6990	19.5
NRPNGSGEVGTIPKHHGSC	2046.2	8.24	1	2	0	48.5
NTHMSGMNGHRLYMTQQGSC	2253.5	8.24	0	1	1490	19.5
QAQNGGISRKNNHQISDGSC	2137.2	8.24	1	2	0	44
QGHIRGMGNAHADYRIMGSC	2174.4	8.24	1	2	1490	49
QHREPQYHNVLPQVPQSC	2373.6	8.24	1	2	1490	48.5
QMHRFVARSTEYTMQAHGSC	2340.6	8.24	1	2	1490	24.5
QMVHLSHGSKTWQVPWGS	2267.6	8.24	0	1	11000	63
QVMSLDNMGWHKLWRIHGSC	2398.8	8.24	1	2	11000	73
RENQHEIGVALARSHKMGSC	2223.5	8.24	2	3	0	63.5
RFISKQANVFIHITEHLGSC	2300.6	8.24	1	2	0	97.5
RPTHDFKIGFPTLNILGSC	2253.6	8.24	1	2	0	78
RRWAFGIHDAKAEVWHMGSC	2357.7	8.24	2	3	11000	49
RTGAGHTWDSTGHIQKVGSC	2098.2	8.24	1	2	5500	39
VWHTILITHSVRPISSWGSC	2279.6	8.24	0	1	11000	107
WGMYPASRLAPHRMNHGSC	2286.5	8.24	1	2	6990	29.5
WQSHNVRESAYINFRHLGSC	2404.6	8.24	1	2	6990	58.5
YAHVRVGRIQHDNTNFWPFGSC	2391.6	8.24	1	2	6990	39
YIGTQIRVHWPANPHPVSC	2232.5	8.24	0	1	6990	73
YRPWVRDEIVNHMPSRHGSC	2439.7	8.24	2	3	6990	48.5
AMQFWIVWNKWQLDKTQSC	2469.8	8.24	1	2	16500	58.5
ANFKRGSDSGVAMYWPMGSC	2164.4	8.24	1	2	6990	24.5
FPVNLGKTHVTHANLQSC	2080.3	8.24	0	1	0	73
FTGKWVHLERHVSIAVWGSC	2312.6	8.24	1	2	11000	87.5
GNKLTLLHQLPLSFQLHWGSC	2279.6	8.24	0	1	5500	97.5
HEWKRQITDHWGRPQLLGSC	2447.7	8.24	2	3	11000	58.5
KSWWPRHQPDISPFGPAGSC	2243.4	8.24	1	2	11000	24.5
KWHVQRWTDDNRGWFHPGSC	2512.7	8.24	2	3	16500	14.5

LAPIAAESPSHAAMKHRGSC	2034.3	8.24	1	2	0	64
LHPIVAKPVISFTHLMSGSC	2137.5	8.24	0	1	0	112
NPAHVSQKSMHMGTAAVGSC	2013.2	8.24	0	1	0	44
NWVSKQMFPLRNELMHHGSC	2414.8	8.24	1	2	5500	53.5
QWLKGRAHPVMSWHVEGSC	2355.7	8.24	1	2	11000	53.5
RMDKTLEHRSVNHNFPFGSC	2375.6	8.24	2	3	0	34
RWGHQKMPMMMEHFPGIGSC	2360.8	8.24	1	2	5500	19.5
WELTPAPRLAHWKSQHWGSC	2390.7	8.24	1	2	16500	49
WWWFHSLSGLLAHIKIALGSC	2338.8	8.24	0	1	16500	127
AAKREKNAFFMMHWQNEGSC	2385.7	8.25	2	3	5500	15
ADWPGHAMGDTRSDRKKGSC	2175.3	8.25	3	4	5500	10
AENSIHDWRAPLKRDNNGSC	2297.5	8.25	3	4	5500	49
AFMPLVLYADQVNKHTRGSC	2250.6	8.25	1	2	1490	78
AINTSVRWGVWHELKSYGSC	2293.5	8.25	1	2	12490	73
AINYSPQQTMIKFVHPGSC	2268.6	8.25	0	1	1490	58.5
AKHSEYSWSRISGSMNSGSC	2174.3	8.25	1	2	6990	24.5
APFDHPTDSKTSAVKRAGSC	2075.2	8.25	2	3	0	29.5
AQPSFQGGYTHSGQVKVGSC	2038.2	8.25	0	1	1490	34
ARLEIKPVDHIWVGKPNGSC	2219.5	8.25	2	3	5500	92.5
ASFHRYWNVYLLFGMPGSC	2335.6	8.25	0	1	8480	58.5
ATWGKPKWVHPNTFEWGSC	2417.7	8.25	1	2	22000	19.5
AWQVRDNKKSLWTFHDSGSC	2365.6	8.25	2	3	11000	39
DFVSPFHRATAFAHHKFGSC	2262.5	8.25	1	2	0	29.5
DQMLMMQQNTRPPRVFGSC	2367.7	8.25	1	2	0	34
ELWYWKNTRRYFKESDAGSC	2539.8	8.25	3	4	13980	24.5
EPKYTWYRRLDVQHQPYGSC	2526.8	8.25	2	3	9970	34
ETMLKVMKNTEKVFWDKGGSC	2374.8	8.25	3	4	5500	48.5
FIILILLFIRVALLVWIGSC	2302.9	8.25	0	1	5500	229
FKTFHAWTIHLIGLAHAGSC	2210.5	8.25	0	1	5500	93
FMAGWFDQGAWPRMSSRGSC	2277.5	8.25	1	2	11000	10
FRGSIQAQMTEPNRWMGGSC	2256.5	8.25	1	2	5500	24.5
FRWRGWNLNIADFSGGSGSC	2230.4	8.25	1	2	11000	44
FWRQWNILTFAWTPSNNGSC	2428.7	8.25	0	1	16500	44
GDNTWRVTGLNTMVGRSGSC	2111.3	8.25	1	2	5500	48.5
GNSVRAFITVLMQIFFTGSC	2191.5	8.25	0	1	0	92.5
HAWHQVQHLFIRFYPPSGSC	2410.7	8.25	0	1	6990	58.5
HDIRIPVWVWQHSPFKPHGSC	2427.7	8.25	1	2	11000	53.5
HHGQNQTPMWHAFIYRMGSC	2401.7	8.25	0	1	6990	24.5
HHNRFTGPKHEEIVSVRGSC	2290.5	8.25	2	3	0	48.5
HITHAEAPRMRMHYPNQGSC	2336.6	8.25	1	2	1490	29.5
IEGFMVNVRLWRQDRRDGSC	2437.7	8.25	3	4	5500	68
IISNTTMAVLWMLQSSRGSC	2198.6	8.25	0	1	5500	97.5
IMGQLRNGLIQRSGADPGSC	2073.3	8.25	1	2	0	83
INRHGDWNQHFQIPKHPGSC	2371.6	8.25	1	2	5500	39
KVPSVRMSHNGEHTWHGSC	2206.4	8.25	1	2	5500	29
LAVFTVSSNAIGSFGIRGSC	1986.2	8.25	0	1	0	97.5
LIILVLVWLFARVILLGSC	2226.8	8.25	0	1	5500	234
LILNLIFSRRFETGAQWGGSC	2311.6	8.25	1	2	5500	102.5
LLANGGPLWRDPTFVTRGSC	2160.4	8.25	1	2	5500	78
LLIWLLVLLVLRALAAAGSC	2136.7	8.25	0	1	5500	234
LVPQFWVNRMQAWMTVNGSC	2367.7	8.25	0	1	11000	68
NAGVLTPTRLMDMMSSRGSC	2127.4	8.25	1	2	0	58.5

NLQPFIFLINLLRMQFIGSC	2367.9	8.25	0	1	0	136.5
NNVMASNDSTMSWRRTWGSC	2303.5	8.25	1	2	11000	19.5
NQFMGPWVLPRQIANSFGSC	2252.5	8.25	0	1	5500	58.5
NRTDVASSIMIFNRPFVGSC	2214.5	8.25	1	2	0	73
NSHNHFAKRTHDNVLWIGSC	2336.5	8.25	1	2	5500	58.5
QFQIMNWFLWVTSAQARGSC	2373.7	8.25	0	1	11000	63.5
QLSGSSPRLPTFGSREQGSC	2094.2	8.25	1	2	0	39
QWNSQPANWRWGNPTIGSC	2303.5	8.25	0	1	16500	24.5
RDMPGRLFGPILDPIRVGSC	2199.6	8.25	2	3	0	92.5
RIGVDPNLRSMGIVNDRGSC	2159.4	8.25	2	3	0	87.5
RILAAVVWAVALLGSC	1996.4	8.25	0	1	5500	185.5
RIRVGQPPFFMNGIWWDGSC	2397.7	8.25	1	2	11000	53.5
RLWTLMVFGWSQQVPGNGSC	2266.6	8.25	0	1	11000	68
RMFGLQVWLNTDRPPFSGSC	2311.6	8.25	1	2	5500	53.5
RMRMPAQDSWATQGQNGSC	2252.4	8.25	1	2	5500	10
RNTLLPNSGSFDSRVLNGSC	2137.3	8.25	1	2	0	73
RTMNTALWIIPLTWALWGSC	2333.7	8.25	0	1	16500	107.5
WGTWPWWWVPVPHVKGHIGSC	2496.8	8.25	0	1	27500	48.5
WPSGWRIDAGSSRQSNNGSC	2108.2	8.25	1	2	11000	24.5
WWQWVGPRMVVIQFSNTGSC	2381.7	8.25	0	1	16500	63
YTHFTIPSFSRHWNAPHGSC	2345.5	8.25	0	1	6990	24.5
YTRWMMAFDQMRQHWWGSC	2608.9	8.25	1	2	12490	5
AGFRWFSQAKVEDLNHKGSC	2280.5	8.25	2	3	5500	44
AHQIVLYLGMRWYDRAPGSC	2336.7	8.25	1	2	8480	83
AKPIKNTLHTNMSQSQDGSC	2160.4	8.25	1	2	0	44
AMHRFWPMKNPPGEYGIGSC	2278.6	8.25	1	2	6990	24.5
AWYAHTWTTGPMPPAWKGSC	2248.5	8.25	0	1	17990	15
DRTQERRQFRQTPFGWEGSC	2484.6	8.25	3	4	5500	0
EIVGQKYVKPKRLWEDTGSC	2336.6	8.25	3	4	6990	68
EKNHDRQAYYPGDWKRWGSC	2496.7	8.25	3	4	13980	5
FTRFWMMRMQDDQNTSRGSC	2497.8	8.25	2	3	5500	0
FWTASLLVRTWIWFNAGSC	2372.7	8.25	0	1	16500	83
GNPGSAIFIQPSLMRIMGSC	2079.4	8.25	0	1	0	83
GSNDRLTSRSSAPGERGSC	2034.1	8.25	2	3	0	24.5
HGWKHGGQTTHTAPAPGSC	2148.3	8.25	0	1	5500	10
HLKNNVSIAMDHRIMHFGSC	2310.6	8.25	1	2	0	78
HVASHQIVFRGAHLSPYGSC	2166.4	8.25	0	1	1490	78
LGQWLIQPANTNRMGIWGSC	2245.6	8.25	0	1	11000	83
LTILRKHHNLTMIHNELGSC	2330.7	8.25	1	2	0	117
RIFRTANVTAMNQVESNGSC	2198.4	8.25	1	2	0	58.5
RMLNSEPFLVGVRPWTGSC	2280.7	8.25	1	2	5500	68
RNPVMALADGPWLFNRWGSC	2290.6	8.25	1	2	11000	63.5
RWFVGSMNGQNPVGTFSGSC	2131.3	8.25	0	1	5500	29
RWGMLHFYHTHNDAITGSC	2402.6	8.25	1	2	6990	44
ADQHKGQYVHRLPMFGQGSC	2259.5	8.26	1	2	1490	39
AFWSNFWHKGGSSTIHYGSC	2272.4	8.26	0	1	12490	24.5
AHMPVNHRETKIYVAVVGSC	2211.5	8.26	1	2	1490	87.5
AHSLQMYVRDLAHLKAGSC	2237.5	8.26	1	2	1490	88
AIHQMAVFTKAHLKVGSC	2169.5	8.26	1	2	0	102.5
ANVMHKKGHDLVRIGGEGSC	2108.4	8.26	2	3	0	73
AQHYQSFRLMTPHEVHKGSC	2356.6	8.26	1	2	1490	39
ARELNHHQTKIPAKGQEGSC	2204.4	8.26	2	3	0	49

ASWHAYHMATRGDKVVPGSC	2173.4	8.26	1	2	6990	44
DPFHLWLVAWVRRGSPAGSC	2254.6	8.26	1	2	11000	78
DVIFSRQRRIDNIIGTHGSC	2287.5	8.26	2	3	0	92.5
ENLKHKSVEIMYAGKWGSC	2293.6	8.26	2	3	6990	78
ETFHFYIQYYRAFQWKGGSC	2531.8	8.26	1	2	9970	24.5
FNGRWGNQHPPMPPFLGGSC	2199.4	8.26	0	1	5500	19.5
GQHHHTKREHVVQHWNQGSC	2405.6	8.26	1	2	5500	29
GQSFIPAHSTARARNEGSC	2046.2	8.26	1	2	0	34.5
HGLTITLRFSSVANVGGSC	2078.4	8.26	0	1	0	107
HIAKNQHIIHFHAHTLVGSC	2273.6	8.26	0	1	0	102.5
HIQMPAIGSNSFGARNAGSC	2018.2	8.26	0	1	0	54
HLILNRTNGPQNLTTLMGSC	2183.5	8.26	0	1	0	97.5
HWARPVPVIMDVPRLFVGSC	2279.7	8.26	1	2	5500	102
IFHDRVGVDAARRQSSLGSC	2174.4	8.26	2	3	0	78
IHIHSGLLKHPWHIHGVGSC	2228.6	8.26	0	1	5500	112
IMNHAWRTPAVRQDSLGGSC	2229.5	8.26	1	2	5500	63.5
KHTAFHNHETVRVHSWFGSC	2380.6	8.26	1	2	5500	34
LARDTNRSGQWWSIHRDGSC	2345.5	8.26	2	3	11000	44
LFGRFASNAWMDNGRQHGGSC	2254.4	8.26	1	2	5500	29.5
LHHVGNHHSVWFMFHNLGSC	2350.7	8.26	0	1	5500	68
LNGAAWLIHWMRINVQAGSC	2240.6	8.26	0	1	11000	107.5
LTVHRSIVFVMAMQNTFGSC	2241.6	8.26	0	1	0	87.5
NHPLGYHRHGGVGWQLHGSC	2212.4	8.26	0	1	6990	53.5
NHRPANNDTWTRAPQIFGSC	2285.4	8.26	1	2	5500	29.5
NLRGVMSNNVVILIVSHGSC	2112.4	8.26	0	1	0	136
NVWVLRQVFALPEHANRGSC	2296.6	8.26	1	2	5500	92.5
QHRQFQTTQTITIGGSWAGSC	2194.3	8.26	0	1	5500	24.5
QLFDPQSMGASGRHFRWGSC	2267.5	8.26	1	2	5500	24.5
QNTFTNQNPNAVSHRPPGSC	2169.3	8.26	0	1	0	19.5
QVRSMGFTAHGMMQVFWGSC	2228.5	8.26	0	1	5500	48.5
RGVTLDFVTGLPWFRHGSC	2247.6	8.26	1	2	5500	82.5
RMHPRLSAFQWNNDNSIGSC	2333.5	8.26	1	2	5500	44
RRHGMATGIWIDFPFQGGSC	2236.5	8.26	1	2	5500	44
RTRARHRNIEVMLLEDPGSC	2353.7	8.26	3	4	0	78
WGQNHPPFGVAVVRLTIGSC	2188.5	8.26	0	1	5500	87.5
WGRIMVWTTSTNEHGRWGSC	2364.6	8.26	1	2	16500	34
WNRRMLMTRMESTNDHGGSC	2382.6	8.26	2	3	5500	19.5
WPGRIVASGGDIRFVWHGSC	2200.5	8.26	1	2	11000	73
WRFHRGSAGMSQPDFLQGSC	2267.5	8.26	1	2	5500	24.5
AFWSLKWFEQYVFLHHRGSC	2541.9	8.26	1	2	12490	58.5
DAQWRENRPVNVRLHSFGSC	2371.6	8.26	2	3	5500	53.5
FRSGMINNGWIGNHFGSGSC	2141.3	8.26	0	1	5500	39
FSQNNGHAPAFRLWVFMGSC	2269.5	8.26	0	1	5500	44
GNNNSMPEDRRHARPWMGSC	2315.5	8.26	2	3	5500	5
HQHRNNNEKHSPSHWAGGSC	2283.3	8.26	1	2	5500	5
HRGPDGRDWSFVRIVLGSC	2258.5	8.26	2	3	5500	68
IRQVAVTVSPGRGIDHWGSC	2138.4	8.26	1	2	5500	87.5
ISRLFSPSSLHGSFVFQGGSC	2156.4	8.26	0	1	0	73
LFEHRRIMAAMIIESRLGSC	2333.8	8.26	2	3	0	107.5
LIVGIMTRHNQVLRDFPGSC	2256.6	8.26	1	2	0	107
NNGTTMHSVNPGLTTRGSC	2044.2	8.26	0	1	0	34
NNHSRIMVAVWRLPEAGGSC	2197.5	8.26	1	2	5500	78

RANQVRHAAVFMQAEWGSC	2218.5	8.26	1	2	5500	49
WMSSQTLNRRWNHTDFSGSC	2413.6	8.26	1	2	11000	19.5
AALQSGPEGIRFYLQSRGSC	2140.4	8.27	1	2	1490	68.5
AAVAKRIAEQHMMWQVGGSC	2173.5	8.27	1	2	5500	68.5
AFAFWTFPNGFQERKAAGSC	2235.5	8.27	1	2	5500	20
AFIAANKGRSLMIDGFLGSC	2071.4	8.27	1	2	0	93
AFLWMTNISPTIFYSARGSC	2265.6	8.27	0	1	6990	68.5
AFSNNINNSKMFVWMSGSC	2323.6	8.27	0	1	11000	39
AGGVHGGAKRRAQEDQVGSC	2054.2	8.27	2	3	0	44
AHMLPVMKRAGDVPWIWGSC	2254.7	8.27	1	2	11000	78
AHQFATNWISMSTSWKAGSC	2213.4	8.27	0	1	11000	34.5
AIDRMNRGRGFYDNVNGGSC	2202.4	8.27	2	3	1490	39
AIFWYLRWGLQRILLDSGSC	2397.8	8.27	1	2	12490	122
AIPTNRVSATVMIFVYHGSC	2166.5	8.27	0	1	1490	92.5
AIYMGPMQMRMREIWLNGSC	2384.8	8.27	1	2	6990	63.5
ALIQQDRMVWWTTRPYLGSC	2353.7	8.27	1	2	12490	78
ALLPPVLIMIHWPFRVGGSC	2312.8	8.27	0	1	6990	131.5
ALLRYVAFIDMRANAVSGSC	2157.5	8.27	1	2	1490	107.5
AMHVIAGRNEYQWRLWMGSC	2408.8	8.27	1	2	12490	63.5
AMMRMDMAGLNKIVFHQGSC	2240.7	8.27	1	2	0	63.5
AMSPKVMHVIDWRNQWPGSC	2342.7	8.27	1	2	11000	53.5
AQAPLRQHNMMSFNEKGSC	2236.5	8.27	1	2	0	29.5
AQQAQTGPNHQGKFQWGGSC	2130.2	8.27	0	1	5500	10
ASLEGVRWMRTSDFMKNGSC	2275.6	8.27	2	3	5500	39
ATNWQQFGRKIPEALSVGSC	2192.4	8.27	1	2	5500	63.5
AYQQWHTFNRFVFIGQQGSC	2398.6	8.27	0	1	6990	39
DAIHHAVFRRVETRQAPGSC	2250.5	8.27	2	3	0	63.5
EDNAKPPIKSVWIYRWMGSC	2380.7	8.27	2	3	12490	58.5
EEVKQGDMMMLRKKVMMPGSC	2297.8	8.27	3	4	0	48.5
EGAYLMLVMWYKARVGGSC	2320.7	8.27	1	2	13980	78
ELSKMLYTQKLATPLWPGSC	2266.7	8.27	1	2	6990	83
EMKPFDWKLKTVRLELLGSC	2393.8	8.27	3	4	5500	92.5
ENVMDKGPAFGKQNPYRGSC	2198.4	8.27	2	3	1490	19.5
ERTTQQSPVMKFIDYFGSC	2365.7	8.27	2	3	1490	34
FIWVHDNWWWQMHNRMRGSC	2690	8.27	1	2	22000	34
FQQWLHDTRLHMQFISRGSC	2490.8	8.27	1	2	5500	58.5
GAFGERHHIRSRRGDAGSC	2184.3	8.27	3	4	0	29.5
GHLSVPAHQFQNWTVRGSC	2252.4	8.27	0	1	5500	53.5
GRRHDFLIIVHANPFVWGSC	2324.6	8.27	1	2	5500	92.5
HASRTMQWMPMWWTVHLGSC	2445.8	8.27	0	1	16500	39
HASSTIGRGMQALQAHIGSC	2025.2	8.27	0	1	0	73.5
HNAAWQIRRTVTEWTHVGSC	2352.6	8.27	1	2	11000	58.5
HRPNGASVAINTTSVTHGSC	2009.1	8.27	0	1	0	58.5
HWTVISTWVSTRHTWVFGSC	2390.7	8.27	0	1	16500	63
LFHGFHMADPFFRNRTVGSC	2339.6	8.27	1	2	0	39
NPEFRQIGRNLSHDRGHGSC	2280.4	8.27	2	3	0	39
QRHLGMSVNSLWHASVQGSC	2197.4	8.27	0	1	5500	73
QVHWQLNRGRLDMHREIGSC	2435.7	8.27	2	3	5500	73
RFMNQHEVHGRDFQRVLGSC	2416.7	8.27	2	3	0	48.5
RLRWHTNIQMEMNAHMGSC	2428.8	8.27	1	2	5500	63.5
RMRTHNENPVPIAHWNGSC	2276.5	8.27	1	2	5500	39
AKPLQHMMIFIAIEVARGSC	2215.7	8.27	1	2	0	107.5

APTVSVRLIHDTVKALSGSC	2054.3	8.27	1	2	0	112
FFPAVQPVTSGNHMHRTGSC	2173.4	8.27	0	1	0	34
FLSHFHRAMLVMWFVINGSC	2395.8	8.27	0	1	5500	92.5
GAWVRPRSEMHFQAPHGGSC	2210.4	8.27	1	2	5500	24.5
IHFRFLLHNVWTWNWGSTGSC	2375.6	8.27	0	1	11000	73
NGMMHNHWQNGGRIIMLGSC	2256.6	8.27	0	1	5500	58.5
AGKWDWSHNQQRMNIHSGSC	2342.5	8.28	1	2	11000	24.5
ALNNKHRNMPAFDPFHPGSC	2253.5	8.28	1	2	0	29.5
AQIGAGIMHTHPFSTVKGSC	2042.3	8.28	0	1	0	63.5
ARFALHLDPPGIEGRHKGSC	2161.4	8.28	2	3	0	68.5
ATFWHKQQSAPWGNNTGSC	2257.4	8.28	0	1	11000	10
AVLGGWFFHFYRPFQHGSC	2313.6	8.28	0	1	6990	39
AWDRRWSNHMKENHQWSGSC	2515.7	8.28	2	3	16500	5
EDLSKQINKSHFIGVKNKSC	2204.4	8.28	2	3	0	73
EMPEVRLYVKHGPNLFKSC	2304.7	8.28	2	3	1490	68
EPRHYDTFWRRWVKNKSC	2629.8	8.28	3	4	13980	14.5
ERNRRESDSKERKNYDHGSC	2466.5	8.28	5	6	1490	0
ESSQNSNYQHKTYHNRQSC	2368.4	8.28	1	2	2980	0
EVLWRTIHNYGKHVMYQSC	2421.7	8.28	1	2	8480	68
FQVEVRNHRHATTVHTGSC	2292.5	8.28	1	2	0	68
HRDTIRTFVAGIMMIHKGSC	2282.6	8.28	1	2	0	78
NQGWGHGVVWHPARHFMGGSC	2263.5	8.28	0	1	11000	34
NVTPGGTHTAIHRHPQPGSC	2067.2	8.28	0	1	0	39
RVGRFIMGVHHHTETQAGSC	2223.5	8.28	1	2	0	53.5
WNGRAGHTQSFPNFMHKGSC	2271.4	8.28	0	1	5500	5
ELIEVWGFHMKMKFAKMGSC	2372.9	8.28	2	3	5500	58.5
AAQTRTSITRSLDMQFQSC	2201.4	8.29	1	2	0	49
AFRAGRVEAIVFMQNAGSC	2174.5	8.29	1	2	0	68.5
AGVWGALQTNVFMQMRLGSC	2169.5	8.29	0	1	5500	78
ALLAIAIAFRVIWIIAGSC	2114.6	8.29	0	1	5500	195.5
ATVRYSHHVWHNGHSNWGSC	2335.5	8.29	0	1	12490	34
EEGRLLKTEKGSWLRWSGSC	2322.6	8.29	3	4	11000	58.5
EFRNNYFWWAPPVQKLQSC	2470.7	8.29	1	2	12490	39
EGQFKQGFRTLTKDLWTGSC	2302.5	8.29	2	3	5500	39
EGWSNGPKLYIRAVWQLGSC	2264.5	8.29	1	2	12490	78
EHHPVRHSVKTQDKVMGSC	2338.6	8.29	2	3	1490	43.5
EKVRROPTWLMYISSVGS	2355.7	8.29	2	3	6990	68
ENILPTGRDRVAGWYRYGSC	2313.5	8.29	2	3	8480	58.5
ERLKFDGFSQPVGFQNGSC	2244.5	8.29	2	3	0	34
AHSMAGYRRQPHVAMDGSC	2211.4	8.29	1	2	1490	29.5
EFPMPFNRRPQYGYVQPGSC	2373.6	8.29	1	2	2980	14.5
EGYMSLLRRVWFAYQVTGSC	2366.7	8.29	1	2	8480	73
EKLATDTRKFSADWIRWGSC	2370.6	8.29	3	4	11000	49
EKLQVQRIGKQIMIEVQSC	2287.7	8.29	2	3	0	107
EPQPIVNTKKRSQDPLIGSC	2210.5	8.29	2	3	0	73
AEQIMAHGRQRVAMQLIGSC	2199.5	8.3	1	2	0	88
AGPNAISFMIPHLRLVGSC	2096.5	8.3	0	1	0	122
AINVGINRNHIPMFQMNGSC	2216.5	8.3	0	1	0	78
ARFQPRQMDFVQTGHVIGSC	2277.6	8.3	1	2	0	53.5
ASMQTGRILSLGVWHVNGSC	2116.4	8.3	0	1	5500	92.5
EVYREAASRHVFTQTQKSC	2297.5	8.3	2	3	1490	39
EYGRHVKSGTRGASFDMGSC	2145.3	8.3	2	3	1490	19.5

ARGNTDTANRAPQHGVAGSC	1983.1	8.3	1	2	0	34.5
ATFPRLALHSMNPIMISGSC	2146.5	8.3	0	1	0	88
EPMTMAREHKTRWYMASGSC	2372.7	8.3	2	3	6990	10
AHTIFSRRITESHGMGGSC	2148.4	8.31	1	2	0	44
AQHRSGPTSWWPGIGHFGSC	2168.3	8.31	0	1	11000	24.5
ASFPRTVHGVQDRVLHVGSC	2165.4	8.31	1	2	0	82.5
EHAGKMINNIMRIYINHGSC	2301.6	8.31	1	2	1490	83
ESNWHGIPRHTYQITKAGSC	2285.5	8.31	1	2	6990	44
ARNHNPQNRGVWAHFEWGSC	2366.5	8.31	1	2	11000	24.5
EHMYLKVSGNPMVMRHPGSC	2273.6	8.31	1	2	1490	48.5
ADQFHMARTRHLTVAHVGSC	2237.5	8.32	1	2	0	63.5
EATGNDWVITRGGMRRYGSC	2229.4	8.32	2	3	6990	39
EMFVAFGTLKRAWWIAPGSC	2270.6	8.32	1	2	11000	68.5
EMRPGGPWQLIYREPFRGSC	2379.7	8.32	2	3	6990	39
EPWRNGDAMSMRVGKAWGSC	2238.5	8.32	2	3	11000	24.5
EVAWGRIASDKIVQRMMSGSC	2237.6	8.32	2	3	5500	78
EGIRHDWRYAPFTMRSTGSC	2370.6	8.33	2	3	6990	24.5
EKAHFVPHSPFIPQRNGGSC	2208.4	8.33	1	2	0	39
ELMFFLEDNRNKIRGHQRGSC	2436.7	8.33	3	4	0	58.5
EPMVNHKQVIQTNRQTTGSC	2271.5	8.33	1	2	0	48.5
ERPANSPDPKLANIRHGSC	2176.3	8.33	2	3	0	49
ESHDQRTVQLKRQPIHWGSC	2405.6	8.33	2	3	5500	53.5
EFSHQRTFNGKIIPHGGSC	2228.5	8.33	1	2	0	58.5
ELGVVWHTRFGGQRKLDGSC	2245.5	8.33	2	3	5500	68
ERWYNLLILNEMRMRTHGSC	2522.9	8.33	2	3	6990	78
EEHAHNKLFWWHRSRALGSC	2464.7	8.34	2	3	11000	49
ESTIGPGLRRMQGRMADGSC	2122.4	8.35	2	3	0	44
EMNNGRFHRWAQQRHPGSC	2440.6	8.36	2	3	5500	5
EQRIHVVTNMWFFIRHPGSC	2457.8	8.36	1	2	5500	68
ELPHRSSRWSQSWHWHWGSC	2549.7	8.37	1	2	22000	19.5
PYKWYMVQKIDYNHSYGGSC	2439.7	8.5	1	2	11460	34
PGKDRADWKHYGNYPTGSC	2315.5	8.52	2	3	9970	5
PNFYHTFALTLYYKSVYGSC	2374.7	8.52	0	1	5960	58.5
PSYDAYYSNRIEKNKQAGSC	2294.4	8.52	2	3	4470	29.5
PWDRRWYYPSPKYEVWYFGSC	2689	8.52	2	3	22460	14.5
PIYIDFKKMGTYADRSGSC	2315.6	8.52	2	3	4470	44
PMALPYNKKELLWKDNNGSC	2321.6	8.54	2	3	6990	63.5
PYANMKTNENPTNVSYKGSC	2218.4	8.54	1	2	2980	19.5
PYEAWMRANYIEKATKPGSC	2315.6	8.54	2	3	8480	34.5
PEIEKWHYMWVALRYKGGSC	2453.8	8.55	2	3	13980	58.5
PSYKHEGSVSYQNLKGAGSC	2112.3	8.55	1	2	2980	39
PLRYHEYFFWKFHVFHVGSC	2664	8.55	1	2	9970	34
PYHKYMYGGAVWFVNIGSC	2291.6	8.55	0	1	9970	68
PAGQMVNLANYDGVKRGSC	2143.4	8.57	1	2	2980	58.5
PDKWNYQTLFMKDFRAMGSC	2438.8	8.57	2	3	6990	24.5
PDYTKAYRNPLIQQLGSC	2251.5	8.57	1	2	2980	63.5
PFQQNWQIIKYTDWRPYGSC	2530.8	8.57	1	2	13980	39
PGGDNYFARKEPMFMFKGSC	2282.6	8.57	2	3	1490	5
PGIIFMHKTPQYQIKNEGSC	2291.6	8.57	1	2	1490	58.5
PHGDVYQKSSWSSQMKWGSC	2298.5	8.57	1	2	12490	14.5
PKSHKWTWYVWLETFWNGSC	2555.9	8.57	1	2	23490	34
PLIAKGQADWQKWFWTYGSC	2385.7	8.57	1	2	17990	49

PPKAAIVHYDPLVGPKGSC	2006.3	8.57	1	2	1490	78
PTVSQVELSLKKLSYGGGSC	2053.3	8.57	1	2	1490	87.5
PTWRLPPYTDPPKYWHPGSC	2398.7	8.57	1	2	13980	19.5
PYTGDIPHKASFWPKLGSC	2217.5	8.57	1	2	6990	63.5
PYWKIDWHFIMITQKFIGSC	2514	8.57	1	2	12490	78
PIDSKMATEKIKQGSPIGSC	2090.4	8.57	2	3	0	63.5
PEDRSHAPHGTGYMKQKGSC	2186.4	8.58	2	3	1490	5
PFKDVFTTAAKYHWHIGGSC	2265.5	8.58	1	2	6990	44
PKAIDYGERSIYHVRHGGSC	2245.5	8.58	2	3	2980	58.5
PKNTARNVWQREQEYVMGSC	2396.6	8.6	2	3	6990	34
PNRIMFQDGIYTKFIAFGSC	2308.7	8.6	1	2	1490	63.5
PQQLGGKREATKDGQQGGSC	2045.2	8.6	2	3	0	24.5
PRFEDYKFVMNMIWTNRGSC	2494.8	8.6	2	3	6990	34
PWQETGSLSIITLKYRQGSC	2267.5	8.6	1	2	6990	78
PYAAMWTMVVNGIQKWSGSC	2229.6	8.6	0	1	12490	58.5
PIETLVKKPTPGMSGMGSC	2032.4	8.6	1	2	0	68
PIQLERYSYTPRMAFILGSC	2345.7	8.6	1	2	2980	83
PTQYAWTSLKQMFFISGGSC	2252.5	8.6	0	1	6990	44
PAIAQVAKNLQHDKHVGWSC	2202.5	8.61	1	2	5500	83
PALIQQVGIFYFHHRQGYGSC	2308.6	8.61	0	1	2980	58.5
PGWHYWAMARSFYISLMGSC	2363.7	8.61	0	1	13980	49
PHDKFHLEYIRFRPPWLGSC	2498.8	8.61	2	3	6990	58.5
PKLDAIMFHIIKWLGPPQGSC	2254.7	8.61	1	2	5500	102.5
PLTKHILGYGIALTVTNGSC	2058.4	8.61	0	1	1490	117
PLVHPWYPTYIPGRHNMGSC	2325.6	8.61	0	1	8480	53.5
PMPQPDQATKDKHHWRTGSC	2320.5	8.61	2	3	5500	5
PNGMHVGMAMANKIKSDGSC	2048.4	8.61	1	2	0	44
PPYGKHHIAWLNDISIRPGSC	2248.5	8.61	1	2	6990	63.5
PSKAWIPSIRKEAGDFHGSC	2186.4	8.61	2	3	5500	49
PSKMFMIYDNTPSHVRVGSC	2269.6	8.61	1	2	1490	48.5
PWGLYLNHGKPNIPPHWGSC	2273.6	8.61	0	1	12490	58.5
PDHQLTMQTNWYKLRSIGSC	2378.7	8.61	1	2	6990	58.5
PKNQEHKGIVVQRAFHDGSC	2250.5	8.61	2	3	0	53.5
PTHSQHLPLMWEQYKRAGSC	2369.7	8.61	1	2	6990	44
PYQTLHERIKHATAAQMGS	2242.5	8.61	1	2	1490	54
PAGDGRRTWMGMDWYRHGSC	2339.6	8.64	2	3	12490	5
PAMKHREPHWVIPGIWGS	2314.7	8.64	1	2	11000	78
PARYANANGRDLITLGIGSC	2062.3	8.64	1	2	1490	93
PAVQAHQKSPLNWNPNWGS	2234.4	8.64	0	1	11000	44
PEWVHIIRFLNVERQKMGSC	2442.8	8.64	2	3	5500	87.5
PFFQWKLRLWDAGGHLNGSC	2332.6	8.64	1	2	11000	63.5
PGGSEGLSRQGLRLYPGSC	2047.3	8.64	1	2	1490	78
PGVNAVLRPEVAYRQLAGSC	2100.4	8.64	1	2	1490	97.5
PGVQVWPARWFATETVKGSC	2219.5	8.64	1	2	11000	53.5
PHNGIYQWRGGHESNRLGSC	2268.4	8.64	1	2	6990	39
PHPNIKGASLIGPGMNIGSC	1963.3	8.64	0	1	0	83
PKMRDRIQWTPVFTELQGS	2392.7	8.64	2	3	5500	53.5
PLSIRFVETFASFVHKGGSC	2269.6	8.64	1	2	5500	58.5
PMNDQDKQARVRTGFMAGSC	2212.5	8.64	2	3	0	24.5
PMRIDNEKWINRMVSSGSC	2322.7	8.64	2	3	5500	68
PQFHNGRNVWTFGLAYGSC	2267.5	8.64	0	1	6990	58.5
PRMKWADQQNFVTSGNWGS	2312.5	8.64	1	2	11000	19.5

PTLMHYIVNTHMNSRVTGSC	2261.6	8.64	0	1	1490	68
PVENKGRSTSTHGFIWHGSC	2226.5	8.64	1	2	5500	53.5
PVVFFVGLWSWMGLKIFGSC	2273.7	8.64	0	1	11000	102
PFMII MQTRDFPQRTDKGSC	2371.7	8.64	2	3	0	39
PFWKGNVMHHRHRLEESGSC	2407.7	8.64	2	3	5500	34
PGNFPIGKVMNTNDWRQGSC	2208.4	8.64	1	2	5500	34
PHEKLNRAQARFQEVSLGSC	2270.5	8.64	2	3	0	63.5
PHQRNGQWVGQVASGEKGSC	2125.3	8.64	1	2	5500	34
PHRLMWDRWKWMLDFLHGSC	2615	8.64	2	3	16500	58.5
PIAGSLLQRNVNTVYSQGSC	2107.3	8.64	0	1	1490	92.5
PIIAEVAYEWFRLRTRGSC	2414.8	8.64	2	3	6990	83
PIRYPDRIFWTTFSINTGSC	2374.7	8.64	1	2	6990	58.5
PLGRPLGFSVFHVQQSYGSC	2179.4	8.64	0	1	1490	68
PLSQKFMWLERNPPVPQGSC	2314.7	8.64	1	2	5500	53.5
PQYTWTSITQNRTLQPGSC	2309.5	8.64	0	1	6990	39
PSATGMWKLRLDTTHMHGSC	2229.5	8.64	1	2	5500	44
PTNRWPWSEHRFDKMNHGSC	2485.7	8.64	2	3	11000	0
PVHNNKPMFIQFTVFITGSC	2280.6	8.64	0	1	0	68
PWPTIRMEFIGGMKLPLEGSC	2233.7	8.64	1	2	5500	78
RLCKNKTFCWGFYAQWEGSC	2427.8	8.66	1	3	12615	24.5
PRARMWFERGSTLWHNDGSC	2406.6	8.68	2	3	11000	24.5
PRWMWTVAHRLRAPVELGGSC	2266.6	8.68	1	2	11000	78
PSDTIRQLRSIMNNGVHGSC	2185.4	8.68	1	2	0	73
PTISTFRFLIGFVWMMMGSC	2379.8	8.68	0	1	11000	73
PTSTGAIMPARNSLITPGSC	1974.2	8.68	0	1	0	68.5
PVAQNIMVIIRGWLVWVGSC	2328.8	8.68	0	1	16500	126.5
PVFRMVTVEGFRFLMLGGSC	2246.7	8.68	1	2	0	82.5
PVVAMPVFQHSSTDIRRGSC	2187.5	8.68	1	2	0	68
WSMECLMGRYCRYRVMVGSC	2430.9	8.68	1	3	8605	48.5
PHTGREMGRVVTANWNGGSC	2129.3	8.68	1	2	5500	34
PITMQVGDWQQRMNVIRGSC	2319.7	8.68	1	2	5500	68
IYLSMVWRRTTKFTCPGYGSC	2313.7	8.86	0	2	8605	53.5
KCLRMIKLDVWLSVNISGSC	2265.7	8.9	1	3	5625	126.5
KGNIWILCLISSKLTAVGSC	2106.5	8.9	0	2	5625	136.5
LMYESYNAKWYKKKILGSC	2440.8	8.94	2	4	9970	63.5
YLKADNIEKLGYYKYMKGSC	2323.7	8.94	2	4	4470	78
HGYIMYNLKTVYNKEYKGSC	2411.7	8.95	1	3	5960	53.5
LHKMKEYTANQFYYKTGGSC	2369.7	8.99	1	3	4470	24.5
NAEDYKKKFVYHKFAIQGSC	2376.7	8.99	2	4	2980	44
QRQWKEMWVYYSKVYYNGSC	2618.9	8.99	1	3	16960	29
VPYHYKKYNSTRAFDEKGSC	2393.6	8.99	2	4	4470	19.5
VWQSYFIYSDKYVFKMKGSC	2479.8	8.99	1	3	9970	48.5
YGVKSSMHEKQKLYKVEGSC	2301.6	8.99	2	4	2980	48.5
YLWARFYWHDEKKIKYWGSC	2680	8.99	2	4	20970	44
WSYKYYYYKQAWDWPWDPGSC	2559.8	8.99	2	4	24980	5
VTLCHTMSRSRRDLTIVGSC	2235.6	9.02	1	3	125	87.5
SKQYYAERTTWWYKSMTHGSC	2427.6	9.03	1	3	9970	5
TSYNYLHSLVHQKATKGSC	2300.5	9.03	0	2	4470	58.5
TRALVMYYYYKRSVDPQGSC	2400.7	9.03	1	3	5960	53.5
MKGYYEGKQYQGGKSPMHGSC	2173.4	9.04	1	3	2980	0
VHRTIAMMKPPYYLDYKGSC	2373.8	9.04	1	3	4470	58.5
VPGKKYVWWNMEKPFYFGSC	2466.9	9.04	1	3	13980	29

AIVGKEYHVVYYSWKGNRGSC	2317.6	9.05	1	3	9970	53.5
AKELLISAKFMYVYSHKGSC	2275.7	9.05	1	3	2980	83
AVYLKYYKPMLWTSLMIGSC	2367.9	9.05	0	2	9970	97.5
DQRYTKYFSIGYKTAQNGSC	2330.5	9.05	1	3	4470	24.5
DRNFKSTQYPYRAVYSGSC	2405.6	9.05	1	3	5960	19.5
ETDSQQNYKYNKRDKRTGSC	2421.5	9.05	3	5	2980	0
GKTSTKHYPPIYPYNIAGSC	2197.4	9.05	0	2	4470	44
GNKQVNDFKDKRYAYSIGSC	2293.5	9.05	2	4	2980	39
GTNERYNMRKYHWWYWYGSC	2700.9	9.05	1	3	22460	0
HFDVGVKYAAAFRAKWYGSC	2368.7	9.05	1	3	9970	44
HGEGKMVTRKKKSGDYEGSC	2197.4	9.05	3	5	1490	14.5
HPRYYTYPIVRTMYNYLGSC	2497.8	9.05	0	2	7450	53.5
IAYKTIIEWELYQRYKIGSC	2535	9.05	1	3	15470	102.5
KEPWWQTKLTYYNWTKAGSC	2490.8	9.05	1	3	19480	24.5
KKDAAKGKDTSVTKDLTGSC	2053.3	9.05	3	5	0	44
KNKYTFVKDESHPKVLSGSC	2267.5	9.05	2	4	1490	48.5
KNQQPVYGMFPYTLLYKGSC	2337.7	9.05	0	2	4470	53.5
KPKVIYRGDPKGGYQEMGSC	2213.5	9.05	2	4	2980	34
KWKYDKNSMLQDKPTWWGSC	2501.8	9.05	2	4	17990	19.5
KYGSYYGFMQWGTSKLQGSC	2291.5	9.05	0	2	9970	19.5
LAYKKAGYGPRPYWWAEGSC	2303.6	9.05	1	3	15470	34.5
LKYAFVWIMKYRDKEVMGSC	2467.9	9.05	2	4	8480	73
NAYKNNDKVVRPMKYDNGSC	2316.5	9.05	2	4	2980	34
NFGLNKQGRWFYFFYFGSC	2560.8	9.05	0	2	11460	19.5
NSHYDEHYRERKRKNQYGSC	2570.7	9.05	3	5	4470	0
QDTQSPWVKVLYYKIMGSC	2374.8	9.05	1	3	8480	68
WGFIHKASHYYIKYPVQGSC	2384.7	9.05	0	2	9970	58.5
WGKKSKKIADHYVGMTDGGSC	2211.5	9.05	2	4	6990	39
WKEVWHQVYTDLKPKKMGSC	2463.9	9.05	2	4	12490	48.5
YKDYTYSRLKHDRLLIAGSC	2402.7	9.05	2	4	4470	83
YRNHALYWNVRYMEHKGSC	2590.9	9.05	1	3	11460	39
YRWPLYLKYNWNFNLTGSC	2601.9	9.05	0	2	16960	58.5
YYMDRIKIAVFYPMFRGSC	2524	9.05	1	3	5960	58.5
YYSARVKRTNYVIFWEYGSC	2505.8	9.05	1	3	11460	53.5
HHIKNRYYGVGIFYTLYGSC	2391.7	9.05	0	2	5960	73
KYKMVSHYAYHQMRFELGSC	2478.8	9.05	1	3	4470	39
NSIYYVMKKLIWNLLYGGSC	2365.8	9.05	0	2	9970	112
RPRWDSYYYKNTASGYMGSC	2405.6	9.05	1	3	11460	5
WKQYKYPELNRADSIKSGSC	2373.6	9.05	2	4	8480	44
YWWWHLKPMYYKPSAITGSC	2517.9	9.05	0	2	20970	44
QVCSMCYLHLKKEIKRFGSC	2373.8	9.06	1	4	1615	73
PHHRKYKMPPGYAYYLDGSC	2383.7	9.07	1	3	5960	24.5
MALIQKDKTTMHKGYREGSC	2297.6	9.1	2	4	1490	44
MEPNVGNNKTFYSSNFKGSC	2238.5	9.1	1	3	1490	14.5
MFKQVYHYNSYMRNWFHGSC	2598.9	9.1	0	2	9970	14.5
MKPVVLIEKQVITWYKNGSC	2336.8	9.1	1	3	6990	102
MKVATTHYSSFKLTSYVGSC	2210.5	9.1	0	2	2980	53.5
MQWSMKWPLFHLKYMHGSC	2574	9.1	0	2	13980	39
MVGQARSHLMKFYYMNGSC	2386.8	9.1	0	2	4470	39
MVIKYYTWQQVKTGYAGSC	2263.6	9.1	0	2	8480	68
SAAQHYAWEKVMRVKKEGSC	2308.6	9.1	2	4	6990	44
SGSSKPFKADFEKMKWLGSC	2233.5	9.1	2	4	5500	24.5

SKGAPQYGKDPLKAPTIGSC	2018.3	9.1	1	3	1490	49
SKKRQWSFPLYENMHYVGSC	2460.8	9.1	1	3	8480	34
SNKMLRPKKESEVHGYMGSC	2281.6	9.1	2	4	1490	34
STIYRTKFGKGIWFQYEGSC	2371.7	9.1	1	3	8480	39
STYKGPMPIYRHSLSHKGSC	2277.6	9.1	1	3	2980	39
SYSWTAWIGIWYSRKYNGSC	2428.7	9.1	0	2	20970	44
SYTKVINTQTKAAWYWVGSC	2306.6	9.1	0	2	13980	58.5
TFGLMIYMKLFLPKEKGSC	2319.9	9.1	1	3	1490	97.5
TPSGFWYLWWAREEKKKGSC	2459.8	9.1	2	4	17990	24.5
TTAAFYRQMAKGGFKDYGSC	2202.4	9.1	1	3	2980	15
TWYAPIWHWNPHYHAKFKGSC	2492.8	9.1	0	2	19480	29.5
SAPNDYPSQKLQRKPIYGSC	2252.5	9.1	1	3	2980	44
SIIDQKNHHKNVKYAVVGSC	2240.5	9.1	1	3	1490	87.5
SYKNDYPRIMKNQMFWNGSC	2482.8	9.1	1	3	8480	19.5
SYNRVENYSPPTSKKQQGSC	2273.4	9.1	1	3	2980	14.5
DHIQKVYHFGFRVMGHKYGSC	2362.7	9.11	1	3	2980	48.5
DLKIIVFKYGGQKSWHMGSC	2297.7	9.11	1	3	6990	73
DNPKNLHMFVMKRYLYHGSC	2453.8	9.11	1	3	2980	53.5
DRDWKTRSYPLVMVYKQGSC	2432.8	9.11	2	4	8480	48.5
DRYQTFNKRGNYPHSGSC	2387.5	9.11	2	4	2980	0
DYLKEGVRKAPPLNHVKGSC	2211.5	9.11	2	4	1490	73
FGRLGAKDWVYQMGYKSGSC	2253.5	9.11	1	3	8480	39
FKNDLKIYPHGHNSFKSGSC	2279.5	9.11	1	3	1490	39
FLPYPRWTKRDPDKYMQGSC	2488.8	9.11	2	4	8480	19.5
GRKRKESGTSETKSKEEGSC	2184.3	9.11	4	6	0	0
HDADNYLKTIKRKPIHTGSC	2297.6	9.11	2	4	1490	63.5
HFQKYAGFRYGMVYVQHFHSC	2426.7	9.11	0	2	4470	19.5
HHSFWYQTRPLSYAFKGS	2478.7	9.11	0	2	9970	24.5
HILSGKMYKHSPTPKIIGSC	2215.6	9.11	1	3	1490	78
HQTWPPGWNKKVLYFFGSC	2458.8	9.11	0	2	13980	34
HRGKKAPDFQVGYLKADGSC	2177.4	9.11	2	4	1490	44
HYNWTITAFMKKKIELHGSC	2407.8	9.11	1	3	6990	63.5
IFRYVKDFAKADTHKWMGSC	2403.8	9.11	2	4	6990	44
IGRDKKTGPEGPVYKERGSC	2177.4	9.11	3	5	1490	34
IHHDKDKTRGHMKS DYRGSC	2371.6	9.11	3	5	1490	19.5
IHHLHYKLYNFGHKALTGSC	2339.7	9.11	0	2	2980	83
IINYHWKRYTSEYRNQQGSC	2546.8	9.11	1	3	9970	39
IKRSRVDYKQTMHEYWTGSC	2488.8	9.11	2	4	8480	34
INIFNTTWHMYKMVKYVGSC	2435.9	9.11	0	2	8480	68
INYSYGAFKVWKGDRALGSC	2235.5	9.11	1	3	8480	63.5
IPPYRFQIEKTTYIVGKGSC	2300.7	9.11	1	3	2980	73
IWGDVLKHVKTMKKEASGSC	2217.6	9.11	2	4	5500	73
KEGKMEVISKLKITISHGSC	2188.6	9.11	2	4	0	92.5
KEGLKYWDKRHHWWGAHGSC	2481.7	9.11	2	4	17990	24.5
KEHAQYAVKKDTRHVQGSC	2284.5	9.11	2	4	1490	53.5
KELAKFWIYSTVSQKTQGSC	2304.6	9.11	1	3	6990	58.5
KGTKYTLGQTFLGKWDFGSC	2237.5	9.11	1	3	6990	39
KIFSILNGQMHKGYKDHGSC	2263.6	9.11	1	3	1490	58.5
KIIGQFYNFYLTTRATYGSC	2346.6	9.11	0	2	4470	63.5
KILAEPYKRYLPPRDVTGSC	2306.7	9.11	2	4	2980	78
KKWHKHKDRDDQSSIPNGSC	2366.6	9.11	3	5	5500	19.5
KMHPVIQMQAYYNNRFFYGSC	2483.9	9.11	0	2	4470	39

KMYEGKLPPKLNFSIGAGSC	2190.6	9.11	1	3	1490	63.5
KNGYGLWGVKVATDKSSGSC	2057.3	9.11	1	3	6990	53.5
KQFMERQYKEMFNTLKMGCSC	2499.9	9.11	2	4	1490	19.5
KRNKIKIDVNEREYEMTAGSC	2355.7	9.11	3	5	1490	58.5
KSKHYKQTLNHSVGTDWGSC	2276.5	9.11	1	3	6990	34
KSNFYWQGSIRWFYIYHGSC	2542.8	9.11	0	2	15470	39
KWLQTLNLSAMYYIRLYGSC	2438.8	9.11	0	2	9970	83
KYAGLFIHKGGNYHFWQGSC	2313.6	9.11	0	2	8480	44
KYGWMPYMRRVYEQMSPGSC	2469.8	9.11	1	3	9970	14.5
KYIWLKWNHIWILQYLHGSC	2602.1	9.11	0	2	19480	117
KYSNQKIWASYDSAPSRGSC	2248.4	9.11	1	3	8480	29.5
LDKIGIFHKFYRYTFTFGSC	2443.8	9.11	1	3	2980	58.5
LKKMTWLDWHHVYKQISGSC	2460.9	9.11	1	3	12490	73
NPSAQHYAYGYPKRSMNGSC	2231.4	9.11	0	2	4470	10
NWGTYFITWGKRDYAAKGSC	2324.6	9.11	1	3	13980	29.5
NWKKVKFGHMSEWTWYWGSC	2560.9	9.11	1	3	23490	14.5
QGKYRGKAPYSMEFQSQGSC	2252.5	9.11	1	3	2980	5
QKFVPTNSIYFYIMHKGGSC	2320.7	9.11	0	2	2980	53.5
QKKPPDYRTWHPFYNGGSC	2418.6	9.11	1	3	8480	0
QLKYIFWTFPKFVEHMKGSC	2489.9	9.11	1	3	6990	53.5
QRKDQHKQKNDDRHKDSGSC	2410.5	9.11	4	6	0	0
RHMKERYVIPKYASSDFGSC	2374.7	9.11	2	4	2980	39
RNWTDVYEKFKNARQYQGSC	2493.7	9.11	2	4	8480	19.5
RPSWISSYFYAALKHWYGSC	2422.7	9.11	0	2	15470	49
RQDTNYTYPKNIRKMESGSC	2391.6	9.11	2	4	2980	19.5
RTGYDYLKWWMIFPTLKGSC	2465.9	9.11	1	3	13980	58.5
RTHRYVEKYFNKMSHAEGSC	2443.7	9.11	2	4	2980	19.5
RYEKILQHEQNTKLVTGSC	2375.7	9.11	2	4	1490	73
RYHWLQQMYTGSRKKEEGSC	2487.7	9.11	2	4	8480	19.5
VFWHKDYRNKVMNYMTHGSC	2516.9	9.11	1	3	8480	29
VKNGMMLKHEANYKSLWGSC	2296.7	9.11	1	3	6990	58.5
VNYMGKKFGIHYLGTTMGSC	2207.6	9.11	0	2	2980	53.5
VQWTLLYVKYAEAKWNRGSC	2415.7	9.11	1	3	13980	78
VRKIMYMKLWNDVYDFRGSC	2525	9.11	2	4	8480	68
WHFWYHGIKSIQYYRFLGSC	2591.9	9.11	0	2	15470	58.5
WKAELRGPTMYVHSEKGCSC	2307.6	9.11	2	4	6990	39
WKKLYDKFQQRLTHMADGSC	2455.8	9.11	2	4	6990	44
WMKVKNEAQNDTIWKKIGSC	2379.7	9.11	2	4	11000	58.5
WNGPEWKYSEKSKRILFGSC	2415.7	9.11	2	4	12490	39
WREGGYNLKTNKYIGFMGSC	2324.6	9.11	1	3	8480	39
WRYEYMKKAPSVHHMQVGSC	2437.8	9.11	1	3	8480	34
WYFVYFKNGRQLPLWYAGSC	2498.8	9.11	0	2	15470	58.5
WYPAQQMYLKFQMKNVGSC	2435.9	9.11	0	2	8480	58.5
WYVIRAVHDPKNNHKGSC	2358.6	9.11	1	3	8480	58.5
WYWTWESMHGFKVKKWNGSC	2560.9	9.11	1	3	23490	14.5
YKIRKHNHWYDSAIQLPGSC	2416.7	9.11	1	3	8480	63.5
YKLGTKHYHAEWLRQVGGSC	2333.6	9.11	1	3	8480	58.5
YKSVYSHFSVYRTQLQFGSC	2400.6	9.11	0	2	4470	48.5
YKYRYAIAFAIAHAGGSC	2212.5	9.11	0	2	4470	83.5
YLQYKHNSVWMKHAGWAGSC	2366.7	9.11	0	2	13980	44
YLRTQGEWFQFKDPKKQGSC	2446.7	9.11	2	4	6990	19.5
YLSAISIKSQASSYNLKGSC	2120.4	9.11	0	2	2980	88

YMEAHKTYNKQISRGVSGSC	2259.5	9.11	1	3	2980	39
YNMMWGYKHPHRSNYQIGSC	2472.8	9.11	0	2	9970	19.5
YQWYYKIIHPQMGNNRPGSC	2455.7	9.11	0	2	9970	39
YSGIWMTEGQAFKKFYNGSC	2335.6	9.11	0	2	8480	24.5
YSIATVAKFYMSGMRYGSC	2236.6	9.11	0	2	4470	44
YSRHAKNKIPPPSYIETGSC	2248.5	9.11	1	3	2980	44
YYAPHVTPWVNNKRWYSGSC	2428.7	9.11	0	2	15470	34
YYIQTPPPQKRSEAHKGSC	2277.5	9.11	1	3	2980	24.5
DRKFLHDWHISYGGSKKGSC	2321.6	9.11	2	4	6990	39
FQSPYSYLPHQATHKKWGSC	2365.6	9.11	0	2	8480	24.5
FSDYMIREVPHIYKRAKGSC	2400.8	9.11	2	4	2980	58.5
GGPSKKTWPGKGLGYSDGSC	1982.2	9.11	1	3	6990	19.5
GKRPRHDSGYWYAWGYAGSC	2317.5	9.11	1	3	15470	10
GNVVKHWSMVYTRTYGFGSC	2356.6	9.11	0	2	9970	29
HVIWFYYRFDVRIPYQKGSC	2577.9	9.11	1	3	9970	68
HYSLKPMYHNAINKPVNGSC	2273.6	9.11	0	2	2980	58.5
KILHKVYKVMQLHLWQGSC	2440.9	9.11	1	3	6990	107
KKEWHVSKHMIYWTHLIGSC	2483.9	9.11	1	3	12490	73
KKEYIMTWMWINKQFMWGSC	2611.1	9.11	1	3	17990	39
KVRRDPDHKKYIAPDMHGSC	2353.7	9.11	3	5	1490	39
LEWNPLKEQNNKRHAYKGSC	2415.7	9.11	2	4	6990	44
LIVLEWGRKGRLYMYHGSC	2444.9	9.11	1	3	9970	92.5
NHQKMHQWPIYKNGYTMGSC	2423.7	9.11	0	2	8480	19.5
NSIKKHAQYAIHERTYLGSC	2319.6	9.11	1	3	2980	68.5
QYYYQKLQRTWFLTWIAGSC	2555.9	9.11	0	2	15470	63.5
RKDERFLIWSHKVGYVYGSC	2443.8	9.11	2	4	8480	68
RKIGKRYDISQQFIVYEGSC	2390.7	9.11	2	4	2980	73
VKHKYSEFLVNMAKFMSGSC	2306.7	9.11	1	3	1490	53.5
VKSEWIPNKPWPELKKNGSC	2340.7	9.11	2	4	11000	53.5
YDPQRTAYVIKSRKDTGGSC	2245.5	9.11	2	4	2980	39
YKRDFVSSLNKNVHYSGGSC	2294.5	9.11	1	3	2980	48.5
AHKRYVKVNIERDIIYTGSC	2365.7	9.12	2	4	2980	92.5
AIAEFVKFRKYLQNNVYGSC	2350.7	9.12	1	3	2980	78
AIAFAIHAIAGHYKYRYGSC	2212.5	9.12	0	2	4470	83.5
AIAFAIHAIAGHYKYRYGGSC	2212.5	9.12	0	2	4470	83.5
AIAFAIHAIAYKYRYHGGSC	2212.5	9.12	0	2	4470	83.5
AIAFAIHAIKYRYAHGGSC	2212.5	9.12	0	2	4470	83.5
AIAFAIHAYKYRYIAHGGSC	2212.5	9.12	0	2	4470	83.5
AIAFAIHYKYRYAIAHGGSC	2212.5	9.12	0	2	4470	83.5
AIAFAIYKYRYHAIHGGSC	2212.5	9.12	0	2	4470	83.5
AIAFAYKYRYIAHAIHGGSC	2212.5	9.12	0	2	4470	83.5
AIAFYKYRYIAHAIHGGSC	2212.5	9.12	0	2	4470	83.5
AIAYKYRYFAIHAIHGGSC	2212.5	9.12	0	2	4470	83.5
AIQSKYYNQHKQHGINNGSC	2290.5	9.12	0	2	2980	44
AIYKYRYAFAIHAIHGGSC	2212.5	9.12	0	2	4470	83.5
AKRWTHKWTYYVQDNINGSC	2470.7	9.12	1	3	13980	39
ARFNKQMETFIKYYNAWGSC	2457.8	9.12	1	3	8480	29.5
ASYWKFRSPHVMIHYYHGSC	2469.8	9.12	0	2	9970	39
AVMYLPMYVHAKWKILVGSC	2309.8	9.12	0	2	8480	112
AYKYRYIAFAIHAIHGGSC	2212.5	9.12	0	2	4470	83.5
EMSWPRKPWRSKYYHEIGSC	2540.9	9.12	2	4	13980	19.5
ERYGKHMTTKDKQILAMGSC	2297.6	9.12	2	4	1490	44

PKRLSNIFNYYYYVYATGSC	2445.7	9.12	0	2	11460	58.5
APMKNIVSAKTKDFAYMGSC	2162.5	9.12	1	3	1490	49
EKTWWKFMTFLMFKYFVGSC	2580.1	9.12	1	3	12490	34
PDAAYFRDKFPKWKPSMGSC	2331.6	9.18	2	4	6990	10
PLAEWYGKKRIHGYSDRGSC	2323.6	9.18	2	4	8480	44
PMWLKTYHSSWYNSSHKGSC	2399.6	9.18	0	2	13980	19.5
PYYTDLHNVRYFRWRNGSC	2610.8	9.18	1	3	11460	34
SGNRKSIMMREYWYMGQGSC	2384.7	9.18	1	3	8480	19.5
SMSWRIYTGSRYMAYFHGSC	2403.7	9.18	0	2	9970	24.5
STPKRVDSMAKRDPGEKGSC	2149.4	9.18	3	5	0	19.5
TAGEKSQRKFSTYQMLIGSC	2235.5	9.18	1	3	1490	44
TAHGKARDFDPAKNRYLGSC	2207.4	9.18	2	4	1490	34.5
TPFNYEKETRWARKGHWGSC	2453.7	9.18	2	4	12490	5
TRKHRAMDYFGYTTFILGSC	2367.7	9.18	1	3	2980	44
TRRNTIGIWYLKQSYEIGSC	2388.7	9.18	1	3	8480	78
TRWVYQMVYTSKPIFFGSC	2410.8	9.18	0	2	8480	48.5
TWVFYRGRWAYNSGIMYGSC	2417.7	9.18	0	2	15470	39
TWVKMHEDKWRAARYVHGSC	2460.8	9.18	2	4	12490	39
PEKYKLAILFKGREQPIGSC	2277.7	9.18	2	4	1490	83
TKWSGPSKDLFWPAYFRGSC	2333.6	9.18	1	3	12490	24.5
TMKEWRSAGYSRRDDKGSC	2346.6	9.18	3	5	6990	24.5
FGFADTYMPVYNRVKWRGSC	2397.7	9.19	1	3	8480	34
FQTSPAYRYDFRTVSGKGSC	2270.5	9.19	1	3	2980	19.5
GLPWTLYYLWMRPTYVRGSC	2462.9	9.19	0	2	15470	73
GWKTVTREDSRKMSLYWGSC	2390.7	9.19	2	4	12490	34
HQRQVYRMVTDYRYFQWGSC	2623.9	9.19	1	3	9970	29
KRYDSVRLMGQMQSITYGSC	2323.6	9.19	1	3	2980	53.5
KYWYPDMRNFVWRTLSLGSC	2522.9	9.19	1	3	13980	53.5
MAYTYMRFNKFVLTVTMGSC	2363.8	9.19	0	2	2980	53.5
MHNVPINVQTMYYMMKKAGSC	2283.7	9.19	0	2	1490	53.5
MINKWRAIWDAKNIIYSGSC	2369.7	9.19	1	3	12490	88
MKFEMLNRLKKLAMFEWGSC	2463	9.19	2	4	5500	63.5
MKKTNMTMFSEIVKWTLGSC	2335.8	9.19	1	3	5500	53.5
MLWLKRHSKGNDENPIKGSC	2313.6	9.19	2	4	5500	58.5
MMMYNQHKPTQVHKQWGGSC	2391.7	9.19	0	2	6990	14.5
MNAHTGKLFGFEKTKHSGSC	2180.4	9.19	1	3	0	24.5
MSAYLHAGYRYAIRSHWGSC	2329.6	9.19	0	2	9970	54
MWMSDRNYHWWINGKIKGSC	2512.9	9.19	1	3	17990	39
QDVYPTRVKRTQLGYRDGSC	2342.6	9.19	2	4	2980	48.5
QGNAYGQQRNSYVIYRIGSC	2277.5	9.19	0	2	4470	58.5
QVFYTYVWNNRRGDKVLGSC	2405.7	9.19	1	3	8480	63
QYEMQGTQYRNSVRKWIGSC	2434.7	9.19	1	3	8480	34
RGQSANNRYSYLFWEKFGSC	2413.6	9.19	1	3	8480	24.5
RQDRKLADSWMVYFKSQGSC	2405.7	9.19	2	4	6990	39
RQLTPDKNQ GKQYMERVGSC	2338.6	9.19	2	4	1490	34
RQYRKELGYPHEMARAHGSC	2389.6	9.19	2	4	2980	29.5
RRKAMVYLFSYENAGTSGSC	2240.5	9.19	1	3	2980	44
RRSVQQYNFYLSQMNQYGGSC	2472.7	9.19	0	2	4470	34
RSTFKLSYMYSFNERNTGSC	2391.6	9.19	1	3	2980	19.5
SHLDRTQRSHFNKYYGGGSC	2313.4	9.19	1	3	2980	19.5
SKDALAVVLKALAKLLVGSC	1999.4	9.19	1	3	0	161
SPKTKAPGVWSPYVDRIGSC	2148.4	9.19	1	3	6990	53.5

SQMWKWIYTKLPNFSHAGSC	2384.7	9.19	0	2	12490	44
SYQAAQKYVIRHPIQAMGSC	2251.6	9.19	0	2	2980	68.5
TETQNKVWGQKKMFSNNGSC	2287.5	9.19	1	3	5500	14.5
TKKVTRVSGEHYQPSTAGSC	2136.3	9.19	1	3	1490	34
TNPKAKSVYVLGQTMMNGSC	2129.4	9.19	0	2	1490	53.5
TPPKHAFQEKRTVYHHQGSC	2351.6	9.19	1	3	1490	19.5
VQYLHNVLMPKLPYLGSC	2344.8	9.19	0	2	2980	126.5
VRAAEAALTAELKKKVTGSC	2046.4	9.19	2	4	0	93
VRTQHFAYLNKSEYRMMGSC	2421.7	9.19	1	3	2980	39
YRQMEQTRYNSIYQGTRGSC	2441.6	9.19	1	3	4470	19.5
YVKFLIAREYSRQFVPWGSC	2449.8	9.19	1	3	8480	73
DTVYERARVEPMRKNSKGSC	2326.6	9.19	3	5	1490	34
KDEARLQKISNVKDVTRGSC	2247.5	9.19	3	5	0	73
KFEMKRASFLYEQRSIQGSC	2408.7	9.19	2	4	1490	44
MDGRRMKWKAYPIETQIGSC	2370.7	9.19	2	4	6990	44
MMSYSGKVVRPDYRFISGSC	2283.6	9.19	1	3	2980	48.5
NMNARPYRSMEQDPKTKGSC	2313.6	9.19	2	4	1490	5
NPYLRQQTYIENRVYMRGSC	2491.8	9.19	1	3	4470	53.5
QDEISYKSRLAERKPMRGSC	2354.6	9.19	3	5	1490	44
RQPYQRNWEGKYSREVVGSC	2442.6	9.19	2	4	8480	29
SFKKLPMHMGSTEKLIGGSC	2151.5	9.19	1	3	0	58.5
SHHTAWYNQQRNSSYSKGSC	2341.4	9.19	0	2	8480	5
STDPKTWQKWNGQLPYRGSC	2352.6	9.19	1	3	12490	19.5
TAPKKVWAWNFHTSIYLGSC	2309.6	9.19	0	2	12490	63.5
VAAMRVGKAIAEAVIYKGSC	2037.4	9.19	1	3	1490	107.5
VKRGMAAWWMAYTYFGWGSC	2371.7	9.19	0	2	19480	29.5
VTLANVVWYNMKKREHIGSC	2348.7	9.19	1	3	6990	87.5
VTMMRDPKYDPKTILRNGSC	2325.7	9.19	2	4	1490	53.5
VYMFVIAWVYRWGVRYFGSC	2502.9	9.19	0	2	15470	82.5
WMYRAALPKWSVVYELRGSC	2415.8	9.19	1	3	13980	78
YYVGRMEKWRATRMPDAGSC	2377.7	9.19	2	4	8480	24.5
AETTTLKAKATLTKLTLGSC	2051.4	9.2	1	3	0	93
AEVMVAIQRHKYWSKWNGSC	2393.7	9.2	1	3	12490	58.5
AGLLALVQGQPYGKWIKGSC	2089.4	9.2	0	2	6990	102.5
AHYKIKLAPHLHHTMWWGSC	2416.8	9.2	0	2	12490	68.5
AKHFIYINKREPRILSMEGSC	2379.7	9.2	2	4	1490	63.5
ANSYPDYRSKFIGARQIGSC	2233.4	9.2	1	3	2980	49
AVHWVFPDHKFKKTHPNGSC	2335.6	9.2	1	3	5500	34
DAPKPVVHRKTDHVGKFGSC	2178.5	9.2	2	4	0	48.5
DGHMVKMRGGSTWKDPKGSC	2177.5	9.2	2	4	5500	14.5
DKAGHHKNGFRYIILQLGSC	2257.6	9.2	1	3	1490	83
DKLWKQIWTERHFMSHKGSC	2517.9	9.2	2	4	11000	39
DMKFESWRFKNKTPGAQGSC	2317.6	9.2	2	4	5500	5
DMLWKLGERKMNPNNKGGSC	2278.6	9.2	2	4	5500	39
DWTGPGKVGDPKKMWNRGSC	2219.5	9.2	2	4	11000	14.5
EGRTLSTKNQYEHNKGRHGSC	2301.4	9.2	2	4	1490	19.5
EKYQKTRPFIDPRQALMGSC	2368.7	9.2	2	4	1490	44
ELRKKRTSGETGLGKGGSC	2093.3	9.2	3	5	0	39
EPPMKGQHGSQKPRLYNGSC	2214.5	9.2	1	3	1490	19.5
ERLTMQNYFHKKQINFPGSC	2441.8	9.2	1	3	1490	39
FKMRHIDHIVLKNETKQGSC	2384.8	9.2	2	4	0	73
FKYLNANTQGRADGKHQGSC	2195.4	9.2	1	3	1490	29.5

FLEKMNFYFSKTLRGWVGSC	2413.8	9.2	1	3	6990	53.5
FMLRMSFIWHHKKLWDYGSC	2586	9.2	1	3	12490	58.5
FNLGWKVQGKLDMSAPKGSC	2166.5	9.2	1	3	5500	58.5
FPLKGTQWVYDGLPRKGSC	2239.5	9.2	1	3	6990	53.5
FSIYYIPRMHTPHWKTPGSC	2421.8	9.2	0	2	8480	39
GATVMYGSWHTSWTAKKGSC	2158.4	9.2	0	2	12490	24.5
GEPISGSQSNNKYAWRHKGSC	2192.3	9.2	1	3	6990	24.5
GFSQIVMKVAFQVKPKEGSC	2183.6	9.2	1	3	0	68
GFVKWSWPNYQKIMLMNGSC	2389.8	9.2	0	2	12490	53.5
GGKHKTLYLLFVWTQPHGSC	2272.6	9.2	0	2	6990	73
GITYNWKMLHLKIGASQGSC	2207.5	9.2	0	2	6990	83
GKGWKIGQYFSHSWIQVGSC	2268.5	9.2	0	2	12490	53.5
GNAAFRWKNEEVNPTKKGSC	2236.4	9.2	2	4	5500	24.5
GQITPSFPAFIVSKKYLSC	2143.5	9.2	0	2	1490	78
GQYMIREQKAKVLWVSTGSC	2284.6	9.2	1	3	6990	73
GTSKPPGWSYDHPRPYRGSC	2248.4	9.2	1	3	8480	0
GVMWKSTNYQFHKPSGQGSC	2242.5	9.2	0	2	6990	14.5
GYNLAVFRTQGYKPLSGGSC	2118.3	9.2	0	2	2980	58.5
HFQQHEPHKAAKSIMIKGSC	2277.6	9.2	1	3	0	49
HQAVTQRYAYFHRAYIVGSC	2370.6	9.2	0	2	4470	63.5
HQTLQNRSAFWGYYAPKGSC	2314.5	9.2	0	2	8480	29.5
HRFKDKFAWWSSTVATYGSC	2377.6	9.2	1	3	12490	24.5
HRKFHWSWIAHYIVQGYGSC	2475.8	9.2	0	2	13980	58.5
HTKEWKVKHVFSIQPQFGSC	2386.7	9.2	1	3	5500	48.5
HVYRAARWKDEHMKVWTGSC	2460.8	9.2	2	4	12490	39
HYNRYMVIIGNWGWKQPIGSC	2336.7	9.2	0	2	8480	73
IKEKPVWQWHMPKAVGGSC	2294.7	9.2	1	3	11000	73
IKSSLKFWHANNNQGYTGSC	2255.4	9.2	0	2	6990	44
IMMPFTALDIIQKKKWAGSC	2281.8	9.2	1	3	5500	88
IRIQEYRPQWHAENKPKGSC	2440.7	9.2	2	4	6990	44
IRQMNYLFHLYMWHKLAGSC	2512	9.2	0	2	8480	83
ISFKTMGKFFATVWQYGGSC	2258.6	9.2	0	2	6990	39
ISKKYASNNNAVITHVLMGSC	2136.5	9.2	0	2	1490	97.5
IVAHMYEVYIMMRRKMHGSC	2456	9.2	1	3	2980	73
IWHPHEGKRKWSHSYNLSC	2422.7	9.2	1	3	12490	39
IYLFWSWAGKNHSSWKHFGSC	2355.6	9.2	0	2	12490	44
KAYNIVWFIHHYPATRGSC	2376.7	9.2	0	2	8480	83
KEHFHQEKKLQRQHNQGGGSC	2348.5	9.2	2	4	0	19.5
KFNVMLAIHQKEKQMNGSC	2334.7	9.2	1	3	0	58.5
KGDTGPDSQKWRNKIVPGSC	2173.4	9.2	2	4	5500	34
KGRNTLEMKTDMKHWNAGSC	2307.6	9.2	2	4	5500	24.5
KHIPFFYTAIQGWNLKQGSC	2338.7	9.2	0	2	6990	63.5
KISHINAVIATFTYAKLGSC	2137.5	9.2	0	2	1490	107.5
KKNFKTFGFDPLVTWSWGSC	2348.7	9.2	1	3	11000	34
KLLMTDFMAKWPRNGWYGSC	2404.8	9.2	1	3	12490	44
KNKSNFMHEAHNQDIRKGSC	2344.6	9.2	2	4	0	24.5
KPPEAPQTMRYLLKGSFGSC	2210.5	9.2	1	3	1490	44
KQSGSIKFDKGDVFMVRGSC	2189.5	9.2	2	4	0	48.5
KRILYEFPHNVYRFIGLGSC	2412.8	9.2	1	3	2980	92.5
KSDIFLNGKIMMRVWYAGSC	2319.7	9.2	1	3	6990	78
KSFHMNQWHKMVDNPIKGSC	2387.7	9.2	1	3	5500	34
KTEHRITYQRIFMIYQPGSC	2471.8	9.2	1	3	2980	58.5

KWRLWDGSSMVYKLAFAGSC	2305.7	9.2	1	3	12490	63.5
LALRYQPKSIQSYHGTGGSC	2166.4	9.2	0	2	2980	63.5
LEYNISFGKNKLIGGARGSC	2127.4	9.2	1	3	1490	83
LHEHFRTFQQIMQMYKKGSC	2512.9	9.2	1	3	1490	39
LIHHEKMTTHAKHVGWLGSC	2312.7	9.2	1	3	5500	78
LKATKSPHNWNQVAGIYGSC	2174.4	9.2	0	2	6990	63.5
LKWLPNPGLLLNQKYIGSC	2285.7	9.2	0	2	6990	117
LLYNKTFPHGRWSPSYPGSC	2310.6	9.2	0	2	8480	39
LNAKMQQIIVVQHLYVKGSC	2272.7	9.2	0	2	1490	126.5
LNTMFHIGKKIYPGLILGSC	2205.7	9.2	0	2	1490	117
LVHGSMKGWRITFEYQKGSC	2327.7	9.2	1	3	6990	53.5
LYAKFKLLGFPERTQNGGSC	2229.5	9.2	1	3	1490	63.5
NANYPGMSWKHLHIKSHGSC	2267.5	9.2	0	2	6990	44
NDHWKFVTHWWKKQSIGSC	2444.7	9.2	1	3	16500	34
NDKRVQQLHKTQSIFKGSC	2346.6	9.2	2	4	0	53.5
NGLYRRIGHKADSYQHV GSC	2261.5	9.2	1	3	2980	58.5
NGYAMKAFKNQHREQLNGSC	2296.5	9.2	1	3	1490	29.5
NKKTPFFGLFIKLDIPWGSC	2311.7	9.2	1	3	5500	78
NKMKHIISNWQNWWTQYGSC	2524.8	9.2	0	2	17990	39
NMNTHKAPKYVGFFLAHGSC	2222.5	9.2	0	2	1490	44
NPNSTMPSTYHSQKKQSGSC	2182.3	9.2	0	2	1490	0
NRQFNYAPIGNTIYVKAGSC	2216.5	9.2	0	2	2980	63.5
NRYTYKNFMTLQSNSVQGSC	2341.6	9.2	0	2	2980	34
NTQHKIKKAASEMF PITGSC	2191.5	9.2	1	3	0	49
NYASILHQSKQSKNDVRGSC	2235.4	9.2	1	3	1490	58.5
QAVMSGVRLPAKHWKYEGSC	2247.6	9.2	1	3	6990	58.5
QFHMVGKRLHKYDHHNAGSC	2365.6	9.2	1	3	1490	39
QFSKGQTII FVPQKFKEGSC	2272.6	9.2	1	3	0	53.5
QGQDHYHGRKTVMSRYVGSC	2309.5	9.2	1	3	2980	29
QHVVREVRPYYKQMVVQGSC	2493.8	9.2	1	3	8480	58
QKGYTWVFFGKGQSHAGSC	2225.4	9.2	0	2	6990	19.5
QKPDWRKFYTLSAGLIFGSC	2317.6	9.2	1	3	6990	63.5
QQAKEYVWIKRMPSGADSGSC	2212.5	9.2	1	3	6990	44
QQYYYNPWHRFIPTTMRGSC	2548.8	9.2	0	2	9970	19.5
QTWLDRHV KYPHLIWFKGSC	2514.9	9.2	1	3	12490	73
QYMQKSNVQNFKMVWQPGSC	2403.7	9.2	0	2	6990	29
QYQMRQLNNKFKEPHPSGSC	2392.6	9.2	1	3	1490	19.5
RDNLHKDMKFTGKQLWAGSC	2335.6	9.2	2	4	5500	44
RDNRSKTHDKTSTKHHEGSC	2324.4	9.2	3	5	0	0
RHTLAIRPYGDVSLYKAGSC	2207.5	9.2	1	3	2980	83
RKSITIMWIIYMGYSHLGSC	2359.8	9.2	0	2	8480	97.5
RLYIGNKHRQQAQDQEGGSC	2288.5	9.2	2	4	1490	44
RMGFGLYERLWGKTNHYGSC	2375.7	9.2	1	3	8480	39
RMKVHTYTASQTVKPDAGSC	2180.4	9.2	1	3	1490	39
RSIDKQNYIKWIQFWQGGSC	2457.7	9.2	1	3	12490	58.5
RSIVLKLTDIAGYIIKHGSC	2187.6	9.2	1	3	1490	136.5
RVSHEKPDMMVALHHKKFGSC	2306.6	9.2	2	4	0	53.5
RWSYVQYWQHWYIVMRPGSC	2646	9.2	0	2	20970	48.5
VAPHQAYYLTHRFIIIKGSC	2317.7	9.2	0	2	2980	102.5
VGYHFKFTPRTWKHENIGSC	2407.7	9.2	1	3	6990	34
VPQKYWIQMWHGKTPAGGSC	2274.6	9.2	0	2	12490	39
VSIKMAIWMYPPQHWKVGSC	2361.8	9.2	0	2	12490	73

WAWVFVWMKEMGTWKKMGSC	2579.1	9.2	1	3	27500	19.5
WAYGNMQYVVRKGVQVIGSC	2258.6	9.2	0	2	8480	82.5
WFYVIAHKKPGSHTTAGSC	2203.5	9.2	0	2	6990	63.5
WIPKFGPTPKSYGSSTHGSC	2137.4	9.2	0	2	6990	19.5
WPAEKGQNQINRKTSYTGSC	2268.4	9.2	1	3	6990	24.5
WQFKTSMDRKQHYTTREGSC	2489.7	9.2	2	4	6990	0
WSNQSVGYKHMVIHKLWGSC	2360.7	9.2	0	2	12490	68
WVVKWYTKWVTNNWVIPGSC	2466.8	9.2	0	2	23490	77.5
WVYAMPMGRAAKISYAHGSC	2199.5	9.2	0	2	8480	54
YANKVQVTRSPWYWFLGSC	2404.7	9.2	0	2	13980	68
YAQSTNSWPVIKSKITSGSC	2157.4	9.2	0	2	6990	58.5
YGFKPRGENKMTVGFTTGSC	2180.4	9.2	1	3	1490	14.5
YHLWGFKNLATVNQVLKGSC	2278.6	9.2	0	2	6990	92.5
YIAKWFLSKLGLVRWFGSC	2389.8	9.2	1	3	12490	97.5
YKERGTRWLGSSEHYFILGSC	2360.6	9.2	1	3	8480	58.5
YLQTAYPNPQKLHFHMRSGSC	2341.6	9.2	0	2	2980	44
YRHRYNPSTKFQDMHLAGSC	2411.7	9.2	1	3	2980	24.5
ANHLAGRNTQKYWKGDPGSC	2203.4	9.2	1	3	6990	29.5
ANQHLYIIGGPKNRYVNGSC	2204.4	9.2	0	2	2980	78
ARDMQANPFIENKKKGKSC	2208.4	9.2	2	4	0	29.5
DSAKPRSFYPGNGIAMKGSC	2086.3	9.2	1	3	1490	29.5
EPDHQKLKTRKFMGTHLGSC	2313.6	9.2	2	4	0	39
EVNRGNFHRNYPYAVLKGSC	2324.6	9.2	1	3	2980	53.5
FKARVIDLHWIHYTVVKGSC	2372.8	9.2	1	3	6990	107
FRKGLNLESMYNKSLAAGSC	2189.5	9.2	1	3	1490	68.5
GPKAWMYISYFTGRGVVGSC	2179.5	9.2	0	2	8480	53.5
HFFNRKTDSYNIQKTAIGSC	2330.6	9.2	1	3	1490	44
HHWSDRIASFGAPKRYYGSC	2338.5	9.2	1	3	8480	29.5
HTYNPFKFGLPASRDKLGSC	2238.5	9.2	1	3	1490	44
IKQMKFYPTIWMMLTPNGSC	2389.9	9.2	0	2	6990	58.5
IPGQKLYKWDA TLWGRPGSC	2276.6	9.2	1	3	12490	63.5
IVKDVRKPYQGNLWVFFGSC	2356.7	9.2	1	3	6990	82.5
IVWLMPKVKAIFHQPYIGSC	2330.8	9.2	0	2	6990	112
IWAPFYQRQNATYVKAWGSC	2389.7	9.2	0	2	13980	49
IWKTFQIYKNTAQMASGSC	2278.6	9.2	0	2	6990	49
KGSYHQMWTVARWSDKFGSC	2374.6	9.2	1	3	12490	19.5
KHHHVMIYTKTGISPMHGSC	2264.6	9.2	0	2	1490	53.5
KITRFYFWYGGNWTPQSGSC	2398.6	9.2	0	2	13980	19.5
KPWDEKALHLSWYWRFRGSC	2565.9	9.2	2	4	17990	44
KTQNFLMSYYLRGQWWPGSC	2465.8	9.2	0	2	13980	39
KWPQTPVMMARKAEKSDGSC	2250.6	9.2	2	4	5500	24.5
LGSQNKLRQGIKFDAYGSC	2271.5	9.2	1	3	6990	63.5
LNNQNTQTPKHNDVNKKGSC	2240.4	9.2	1	3	0	34
LWAYRVKETIYRHWTLVGSC	2481.9	9.2	1	3	13980	92.5
LWIMDVKSFLFRKKSLEGSC	2387.8	9.2	2	4	5500	92.5
NFTFQFYRKKGQFDMQAGSC	2403.7	9.2	1	3	1490	5
QHISKYQMNRNSVFYQFIGSC	2437.7	9.2	0	2	2980	34
QLKTPPTFKQSYNIIGPGSC	2179.5	9.2	0	2	1490	58.5
RASGFTSYHKQQLGTYFGSC	2238.4	9.2	0	2	2980	24.5
RIYIKKWWDQFTWHISQGSC	2582.9	9.2	1	3	17990	58.5
RKPDNVKHDYNLRLHNMGSC	2397.7	9.2	2	4	1490	53.5
VHPKKWEHKQPPGAAMFGSC	2235.6	9.2	1	3	5500	24.5

VKSWQHTKKEFSWIVSTGSC	2338.6	9.2	1	3	11000	48.5
WKMNWVETMVHKKNRDVGSC	2448.8	9.2	2	4	11000	43.5
WQNSLAGQTTQKPKYAIGSC	2181.4	9.2	0	2	6990	49
YLVGTGSIAPPILMHKPKGSC	2112.5	9.2	0	2	1490	97.5
YRFGLEWSKSKTTTFTMGSC	2330.6	9.2	1	3	6990	19.5
EKVGFMQRQHKYHWWTHIGSC	2530.9	9.21	1	3	12490	34
ELMKGPWFPPKKHANAMGSC	2229.6	9.21	1	3	5500	29.5
KCKYMCIYMKLRRNCCIGSC	2417	9.26	0	5	3230	58.5
PASFSNKMIPYKAWPQMGSC	2243.6	9.26	0	2	6990	29.5
PKRKLTLYEDSMMALRGGSC	2256.6	9.26	2	4	1490	63.5
PLVLGNGYSKQAHGVKPGSC	2012.3	9.26	0	2	1490	73
PMTGKYLGMTKSSRDLGGSC	2089.4	9.26	1	3	1490	39
PMTVKIGFVKRGYLFDMGSC	2249.7	9.26	1	3	1490	68
PQIQMYHIITAKKSTASGSC	2164.5	9.26	0	2	1490	68.5
PRTDTEKPKRSKMDSQFGSC	2298.5	9.26	3	5	0	0
PTNAKWVTINYWTIFKWGSC	2415.7	9.26	0	2	17990	58.5
PTYGVLPMLEPRKGKLGSC	2147.5	9.26	1	3	1490	73
PYMFMTFKRVWFYLILMGSC	2534.1	9.26	0	2	8480	73
PGRYRNVYTSKGDPPDRGSC	2225.4	9.26	2	4	2980	14.5
PHPQQKSNRGAEFKEKPGSC	2225.4	9.26	2	4	0	5
PHTMNGNTKHWIYPRYGGSC	2319.6	9.26	0	2	8480	19.5
PISHNYKHFWPYHRAHWGSC	2523.8	9.26	0	2	13980	24.5
PKPFAQFSKAYSHTIWSGSC	2242.5	9.26	0	2	6990	29.5
PYLSLKYIHRGMLHSSVGSC	2248.6	9.26	0	2	2980	92.5
MIFNWIPIHSLAWYKRQTGSC	2438.8	9.3	0	2	12490	63.5
MIKMQRVVYLPNSFHHQAGSC	2309.7	9.3	0	2	1490	73
MIMMHTAGYFRNHHKMIGSC	2365.8	9.3	0	2	1490	44
MKNIILAHNLNHRPYTMFGSC	2346.8	9.3	0	2	1490	83
MKPNDSESLRKRPPPTIHGSC	2279.6	9.3	2	4	0	58.5
MMIFRNDFEWLKIHKTRGSC	2512.9	9.3	2	4	5500	58.5
MPHKWSDFPILVKVVMRGSC	2330.8	9.3	1	3	5500	82.5
MPYHFGVWGFITTKARPGSC	2255.6	9.3	0	2	6990	39
MQWSLAYKETRHHDRWRGSC	2547.8	9.3	2	4	12490	24.5
MRHLAVKGGWYMWESRWGSC	2440.8	9.3	1	3	17990	39
MRPRHAMPNIKEYMLSPGSC	2318.7	9.3	1	3	1490	44
MRVPLVNTARHAYAYLMGSC	2253.6	9.3	0	2	2980	83
MTRRWKTFPHEIEDRIKGSC	2490.8	9.3	3	5	5500	39
MVAGGRWLNSVNFLAKYGSC	2173.5	9.3	0	2	6990	78
MYFVLRVLMTTARHSYMGSC	2366.8	9.3	0	2	2980	73
MYSHRATTMLVRLVFYMGSC	2366.8	9.3	0	2	2980	73
SDSQLVARHNRGKTDKSGSC	2146.3	9.3	2	4	0	39
SEFWKQRAPARFPKDFGGSC	2314.6	9.3	2	4	5500	10
SFPKQMVKPEQSWRFMIGSC	2386.8	9.3	1	3	5500	34
SHKYTVPVRWLPMQMVIGSC	2332.8	9.3	0	2	6990	82.5
SLSMRDYIKGFWRHMFVGSC	2420.8	9.3	1	3	6990	53.5
SLVKYPIAWTRIIQIHTGSC	2286.7	9.3	0	2	6990	117
SMKSDTGSLNTPRKHPGSC	2060.2	9.3	1	3	0	19.5
SNRHSKRHQSQYHQHETGSC	2407.5	9.3	1	3	1490	0
SRGVANWHIMEASLKS KGSC	2161.4	9.3	1	3	5500	63.5
SRHFWFYTGDRSFAMKSGSC	2370.6	9.3	1	3	6990	5
SRIHKDFDRITVQVSNKGSC	2290.5	9.3	2	4	0	68
STGQQIMTMPSKGKPIQGSC	2079.4	9.3	0	2	0	39

SVFRSRNIHSGKYPGETGSC	2182.4	9.3	1	3	1490	34
SYNFTRIIVGRTHRETYGSC	2360.6	9.3	1	3	2980	53.5
SYVQFANQIRVFTGKNSGSC	2206.4	9.3	0	2	1490	53.5
TAIAHGIKIANIVFKLGSC	2027.4	9.3	0	2	0	132
TAKREKTRFRNANPESSWGSC	2269.4	9.3	2	4	5500	10
TAYNTGMHNVVWQKRGSC	2236.5	9.3	0	2	6990	58.5
TELVALKRRAKLLEVLGSC	2170.6	9.3	2	4	0	141.5
THNMAFWFLMKKPLVIQGSC	2351.8	9.3	0	2	5500	78
TIAIVAHNHKVMKWAALGSC	2150.5	9.3	0	2	5500	107.5
TIVQARKRTWIGDNYNVGSC	2281.5	9.3	1	3	6990	73
TKYLLIRTAMTTWHPNGSC	2324.7	9.3	0	2	6990	63.5
TNAFERTKYSHWSMMRFGSC	2439.7	9.3	1	3	6990	5
TPFAKERDRMSSSQMWKGSC	2332.6	9.3	2	4	5500	5
TPPNGWPFKQYNWQRGSC	2449.7	9.3	0	2	17990	0
TPTDHIRSAAARHKYLIGSC	2197.5	9.3	1	3	1490	73.5
TRAYHYPAVPMIRWGGGGSC	2179.5	9.3	0	2	8480	44
TRMYILHKRWQEAHNVNGSC	2443.7	9.3	1	3	6990	58.5
TSPYVKLPVWFESARRSGSC	2270.5	9.3	1	3	6990	53.5
TVHESMIYRMRFMTFKHGSC	2461.9	9.3	1	3	1490	34
TVMLNSSRRVNVYMSYLGSC	2280.6	9.3	0	2	2980	82.5
TVPPGTGLQQQFSVKKGGSC	2019.3	9.3	0	2	0	48.5
TYVQLWRHFNMRTYTPSGSC	2447.7	9.3	0	2	8480	34
MEIQLMRFNMPMIGIKKGSC	2327.9	9.3	1	3	0	78
MKSNPAGRWPAPKDTAWIGSC	2176.5	9.3	1	3	11000	34.5
MNYYWRMVQSLRNPIVSGSC	2404.8	9.3	0	2	8480	68
MWGLDRNKQVQRHIYHOGSC	2456.7	9.3	1	3	6990	53.5
SMFWWHWQAFRYVWKTWGSC	2693.1	9.3	0	2	28990	19.5
SRVMQGRYGSNMFKEMLGSC	2281.6	9.3	1	3	1490	34
THRPHNWYLFKNILFSHGSC	2457.8	9.3	0	2	6990	58.5
TIAHLTFWTKGSKFPTFGSC	2229.5	9.3	0	2	5500	44
AFGRVIVFEKNRDIMKMGSC	2301.7	9.31	2	4	0	73
AGIDFKVKVELGQRNMRGSC	2208.5	9.31	2	4	0	73
AHMKMEPHTMFRPRAYFGSC	2397.8	9.31	1	3	1490	10
AKQNADRTYRGPNSTAGSC	2054.1	9.31	1	3	1490	15
ARYWWANVDIIKGGMRGSC	2296.6	9.31	1	3	12490	83
AWYTGKRDNPLSMVVWRGSC	2326.6	9.31	1	3	12490	53.5
DDRHQSHSHKNQSKTRGGGSC	2235.3	9.31	2	4	0	0
DITNWWKPMKRAAQINGSC	2306.6	9.31	1	3	11000	49
DPHIPIKPTSMRGKTSKSC	2125.4	9.31	1	3	0	58.5
DPWNWRKAWRQHTYQHLGSC	2569.8	9.31	1	3	17990	24.5
DTWPIRSQRGSMSKAEGSC	2224.4	9.31	2	4	5500	24.5
DWQRPTKQKVIGVTQTTGSC	2233.5	9.31	1	3	5500	48.5
FGHLTIAFHRYVMFTFKGSC	2362.8	9.31	0	2	1490	58.5
FLKNEYRRNMTNLVNPQGSC	2384.7	9.31	1	3	1490	53.5
FMMAFDRQSQKMKSMPGSC	2347.7	9.31	1	3	0	5
FMMSSAANVMHFIKFKGSC	2267.7	9.31	0	2	0	44
FMNYPIKVPILVPIGRGSC	2203.7	9.31	0	2	1490	121.5
FNAPIWWYIYPRHVRHAGSC	2473.8	9.31	0	2	13980	63.5
FPRMREKDTYASRTHMIGSC	2386.7	9.31	2	4	1490	24.5
FQLFNYQRTWQYARHHNGSC	2556.8	9.31	0	2	8480	24.5
FRMSRAMYLTFNGKVADGSC	2254.6	9.31	1	3	1490	44
FRYVWHRSMVHELFWNKGSC	2582.9	9.31	1	3	12490	48.5

FTGKPSVHHMKPQNIDRGSC	2239.5	9.31	1	3	0	34
FVRTHLYSEGLQRFSENKGSC	2329.6	9.31	1	3	1490	53.5
FYALSFG RHTVKWMIIWGSC	2402.8	9.31	0	2	12490	78
GAKFVKQPGSWARHNQDGSC	2173.3	9.31	1	3	5500	24.5
GARINVTNITIKMHQYFGSC	2253.6	9.31	0	2	1490	78
GDTYVVTVRWRTGKPHLGSC	2232.5	9.31	1	3	6990	63
GLKGISGVAKGIFALVTGSC	1878.2	9.31	0	2	0	117
GLVKIWHNKESHMRLHGGSC	2289.6	9.31	1	3	5500	73
GMVTTVMNNMKNMWGSC	2278.7	9.31	0	2	5500	43.5
GMYQAKAEGFTRTQRFWGSC	2324.6	9.31	1	3	6990	10
GNHGERNNYLPTIWRAKGSC	2273.5	9.31	1	3	6990	44
GRWAAVLKMLTMYAIQGSC	2170.6	9.31	0	2	6990	93
GSNPNIKGHAPPLIYHRGSC	2118.4	9.31	0	2	1490	63.5
GSTDGHRVLKGMHLISKGSC	2083.4	9.31	1	3	0	73
GTEKTSLLRKRWETTLTGSC	2267.5	9.31	2	4	5500	58.5
GVFPRRFGYVWVHLTEKGSC	2338.7	9.31	1	3	6990	63
GVHNRVWIYKQGGMWMMSGSC	2296.6	9.31	0	2	12490	48.5
GVKQRKTWMHEFVNHPQGSC	2369.7	9.31	1	3	5500	29
GYREILLHHAQSRKVQGSC	2295.6	9.31	1	3	1490	97.5
HAYKGP GDMRRFNHSGMGSC	2208.4	9.31	1	3	1490	5
HEPFVKRMGM RVKWDTHGSC	2401.8	9.31	2	4	5500	29
HFQKLDVTMGARFANNKGSC	2224.5	9.31	1	3	0	44
HINTTKIQRYPMPWALIGSC	2360.7	9.31	0	2	6990	83
HMNMSKMRATHDYRAMNGSC	2341.7	9.31	1	3	1490	10
HPIWVAPGQQKQRDRKEGSC	2320.6	9.31	2	4	5500	39
HQTVSKAASRTTRYNDNGSC	2196.3	9.31	1	3	1490	24.5
HTRRQWLLSGDKGYATTGSC	2237.4	9.31	1	3	6990	44
HVSKRYSFGFEMGVRQPGSC	2272.5	9.31	1	3	1490	29
HWWGPKGQWVLRAGYWQGSC	2315.6	9.31	0	2	17990	53.5
HVWTWADAMRVEKKSRLGSC	2360.7	9.31	2	4	11000	58.5
HWKTRDHAGTRHQMTDKGSC	2352.5	9.31	2	4	5500	5
HYWRRFVWHGNGDKSIVGSC	2404.6	9.31	1	3	12490	48.5
IANSKAPSHSKLMPFPPGSC	2069.4	9.31	0	2	0	49
IDFGNFTLSNKKRTLTMGSC	2233.5	9.31	1	3	0	58.5
IGGDLYIPQQVLKARRIGSC	2187.5	9.31	1	3	1490	117
IIGIRLQADLSKPQANKGSC	2112.4	9.31	1	3	0	107.5
IKADKTTSALPITMHSRGSC	2117.4	9.31	1	3	0	68.5
IKLVGVQHQMKGGISNGGSC	2013.3	9.31	0	2	0	87.5
ILYL VFRVSEKFWSPQRGSC	2415.8	9.31	1	3	6990	87.5
IMFVVTWIPVVKHKVPNGSC	2254.7	9.31	0	2	5500	111.5
IMKFAVWFGHIRWYAIGGSC	2342.8	9.31	0	2	12490	83
IMREV K MVPADNKRQQGSC	2287.7	9.31	2	4	0	53.5
INRKGQGRAGIMQYVTEGSC	2168.4	9.31	1	3	1490	58.5
IPDGWLKNVYRVRVPWPGSC	2342.7	9.31	1	3	12490	82.5
IPFKSGFHESGIGGKSRGSC	2051.3	9.31	1	3	0	39
IRGSPKQRHNMYFTPPDGSC	2291.5	9.31	1	3	1490	19.5
ISNRSFFKLDPHRSQDKGSC	2322.5	9.31	2	4	0	39
ITLPKYGP NQHRFHTWSGSC	2329.6	9.31	0	2	6990	39
IYPFDEQRRTVVLLKSRGSC	2367.7	9.31	2	4	1490	87.5
KAPKIPSILQWWRPHEGSC	2330.7	9.31	1	3	11000	63.5
KAPSKTAFWN RNNGTEHLGSC	2204.4	9.31	1	3	5500	29.5
KASKGVHMAAWNVTINMGSC	2105.4	9.31	0	2	5500	63.5

KDRMLHPDFMRGMTQAKGSC	2309.7	9.31	2	4	0	24.5
KHAYDRVGIMIVTMIRQGSC	2278.7	9.31	1	3	1490	92.5
KKNMSQWLLRTDLGINGGSC	2221.5	9.31	1	3	5500	78
KLMERKVGLAFHGMQLQTGSC	2206.6	9.31	1	3	0	78
KLVLQWAVHMRKWNAMDGSC	2373.8	9.31	1	3	11000	78
KMENVRRAELVKIAPLIGSC	2227.7	9.31	2	4	0	117
KRAVEGFWLNNNRYRESGSC	2386.6	9.31	2	4	6990	39
KRSKTNDRQNRQNDRDEGSC	2407.5	9.31	4	6	0	0
KSHFRIYRSPNNTNTSEGSC	2298.4	9.31	1	3	1490	19.5
KSPGYVSFIHIVGRQIHGSC	2185.5	9.31	0	2	1490	87.5
KSSKRGVGFMNLLDLGAGSC	2040.3	9.31	1	3	0	78
KTHHSMWKGRITHELFAAGSC	2326.6	9.31	1	3	5500	44
KVWSVRSWEPQKWLQLMGSC	2448.8	9.31	1	3	16500	68
KYFHAHTINVTWRWVNQGSC	2447.7	9.31	0	2	12490	53.5
LAKNHHTMANAKRGAEMGSC	2127.4	9.31	1	3	0	39.5
LFMIRKLYLMGTAIPLLSC	2240.8	9.31	0	2	1490	141.5
LGKWGWSRWSTAVNAYHGSC	2266.5	9.31	0	2	17990	44
LGLRGFQMQHVIKENKPGSC	2242.6	9.31	1	3	0	73
LHAFVQPIRQKNDVITKGSC	2254.6	9.31	1	3	0	92.5
LHVKNMAVVLWYWRHTVGS	2399.8	9.31	0	2	12490	102
LHWIPHYKNGIWNSSWRGSC	2441.7	9.31	0	2	17990	58.5
LIMLKLKMCLYNWRYQVGSC	2463	9.31	0	3	8605	112
LLTKIMWNDDTPFKRQRGSC	2409.8	9.31	2	4	5500	58.5
LNQWLNIDKGFFRQTLKGSC	2368.7	9.31	1	3	5500	78
LQNHRIINNSQEILHKQKGSC	2347.6	9.31	1	3	0	78
LRSTKDGSJLHANMSQKGSC	2157.4	9.31	1	3	0	44
LSIMQSERLPHSWKGYRGSC	2335.6	9.31	1	3	6990	58.5
LTKDQFAWVKRIRPVDQSC	2347.7	9.31	2	4	5500	73
LVNKPSHKAQVFAISHGSC	2094.4	9.31	0	2	0	83
LWTRYTGWRFLGSWMQYGSC	2498.8	9.31	0	2	19480	39
LYAGRKMWTDWRFAMMHGSC	2447.8	9.31	1	3	12490	29.5
MKSIIPMMSVAQHQGPIKGSC	2112.5	9.31	0	2	0	78
MTIHVHQMIIVHKKSHWGSC	2372.8	9.31	0	2	5500	87.5
MTNAKWSLNIVAGLKNHGSC	2144.4	9.31	0	2	5500	83
NAGWPSREARRPEYIKSGSC	2264.5	9.31	2	4	6990	29.5
NAMLSKMHPWIKGSMMGSC	2256.7	9.31	0	2	5500	44
NEGKVAANTSKIRVTMVGSC	2065.3	9.31	1	3	0	73
NHGRREPQTYTKFSHPHGSC	2339.5	9.31	1	3	1490	0
NHHLVAVMRIKDRFMEKGSC	2371.8	9.31	2	4	0	73
NIVGRLPVSYNYLRGPQSC	2193.5	9.31	0	2	2980	87.5
NKDTRRHNNSQRENKHDGSC	2396.5	9.31	3	5	0	0
NLHFIYPHRNGTHSNQKGSC	2310.5	9.31	0	2	1490	39
NMWWFFMMSFIQIKKQSGSC	2500	9.31	0	2	11000	39
NNKSAGFRVTFYIGNALGSC	2119.3	9.31	0	2	1490	63.5
NNLHYLNNHPFWKSRLAGSC	2371.6	9.31	0	2	6990	63.5
NPSNNILWAGGIAPYKRGSC	2118.4	9.31	0	2	6990	68.5
NQGEMIKRIQWKVGVVGGSC	2189.5	9.31	1	3	5500	82.5
NRKHRHWFDPDKDHNLGSC	2431.7	9.31	2	4	5500	44
NTTAMKMAFRAQKTELHGSC	2225.5	9.31	1	3	0	34.5
NTTRSGRGWARTQYEQYGSC	2321.4	9.31	1	3	8480	5
NVNHAEQWRKHLIYMRTGSC	2443.7	9.31	1	3	6990	58.5
NVNMNRSYHGIAARVVYGSC	2211.5	9.31	0	2	2980	73

NWGSKSDNHVRPNKVLTGSC	2199.4	9.31	1	3	5500	48.5
NYNWFHIIINIAMLKFRGSC	2440.9	9.31	0	2	6990	102.5
QATSFRGGHGGKANEGMGSC	2023.2	9.31	1	3	0	10
QDKHEKLPRHFNRVFTGSC	2446.7	9.31	2	4	0	34
QFFQHKVKQILFVNNGAGSC	2265.6	9.31	0	2	0	73
QHTMWKPPKNTVMGAFGSC	2267.6	9.31	0	2	5500	19.5
QKTWFNVHGFMTFKLAFGSC	2349.7	9.31	0	2	5500	39
QLFSFRTMLYNPIQQIKGSC	2374.8	9.31	0	2	1490	78
QMNGMFNKHGIGYRGWWGSC	2329.6	9.31	0	2	12490	19.5
QNHWWHSRIFTVLYGIKGSC	2345.7	9.31	0	2	6990	87.5
QNNTFYKTWHRFLPGMMGSC	2418.7	9.31	0	2	6990	19.5
QQGTNAKITKASFGLHGSC	2035.2	9.31	0	2	0	49
QQMFTGADRHKGNMNMGSC	2241.5	9.31	1	3	0	5
QRYGQIIVGSNIRVYNGGSC	2184.4	9.31	0	2	2980	87.5
QSIGLGYSAFMPKWPFGRGSC	2232.6	9.31	0	2	6990	44
QSTNWNESPKNMDMRNKRGS	2352.5	9.31	2	4	5500	0
QSTSLTTLPKAWKTVMFGSC	2186.5	9.31	0	2	5500	58.5
QTIQYAAIPSLTREKTRGSC	2223.5	9.31	1	3	1490	68.5
QVPKGTWQVAAVWAKHNGSC	2167.4	9.31	0	2	11000	58.5
QWANNLHHIVNKSKNMWGSC	2367.6	9.31	0	2	11000	58.5
RAAMHESLKNWRVYREWGS	2479.8	9.31	2	4	12490	44
RATIWKYSGHTNTTDRTGSC	2255.4	9.31	1	3	6990	24.5
RAVFVTIKNMAHWNFYWGSC	2430.8	9.31	0	2	12490	58.5
REKRAFKIIQITWEAFFGSC	2430.8	9.31	2	4	5500	68.5
RGSPSKKWEGDPMFQRLGSC	2266.5	9.31	2	4	5500	19.5
RHPTSKYPAAAMSFGWQGSC	2182.4	9.31	0	2	6990	15
RKDGTQRVSHQSNAELGSC	2201.4	9.31	2	4	0	39
RKGPAMYQSLPWTPHTGSC	2230.5	9.31	0	2	6990	44
RKSLETSLRLKSLLELGGSC	2190.5	9.31	2	4	0	117
RKWLYAPLFTHLIHHTHGSC	2417.8	9.31	0	2	6990	83
RLTPYISHLMQGMVQYRGSC	2340.7	9.31	0	2	2980	73
RMHSVFMDSFRKYIMGFGSC	2399.8	9.31	1	3	1490	34
RNSERKWGPFQVIYNAHGSC	2349.6	9.31	1	3	6990	39
RNYTWQEKNSNNWSPRGGSC	2384.5	9.31	1	3	12490	0
RQALYDNIKQTFRMPGAGSC	2256.5	9.31	1	3	1490	49
RQQYGNWRAQQQKTAGDGSC	2282.4	9.31	1	3	6990	10
RRFHRSPYENKELSSNGGSC	2324.5	9.31	2	4	1490	19.5
RRLTKGIIRQYESQLWDGSC	2409.7	9.31	2	4	6990	78
RSMYRHRTWENTIQQYLGSC	2529.8	9.31	1	3	8480	39
RSRISKVTRVWWGFEDYGSC	2432.7	9.31	2	4	12490	48.5
RVIFISLHGKKVFPENVGSC	2230.6	9.31	1	3	0	102
RVSVEKSHHDKRLPGTPGSC	2190.4	9.31	2	4	0	48.5
RWGKGIFWERTKADLFQGS	2385.7	9.31	2	4	11000	44
RWNPQGRTDWRYAIIWYGSC	2528.8	9.31	1	3	19480	44
RWWWKPDSGSGHAMKSGGSC	2133.3	9.31	1	3	11000	19.5
RYHLQIRAQMDPTLKSIGSC	2317.7	9.31	1	3	1490	83
SNPAPKTILSSHKGMSVGSC	2001.3	9.31	0	2	0	58.5
SVWIGKQPWNPLPKQHWGSC	2348.7	9.31	0	2	16500	53.5
VAPVFLESAFGKTKMRQGS	2156.5	9.31	1	3	0	58.5
VEDGPFSTVKARRNKMAGSC	2153.4	9.31	2	4	0	39
VKGKLSNVPSWFNHFHSGSC	2231.5	9.31	0	2	5500	48.5
VLNIKT LGNVPLGAKWWGSC	2156.5	9.31	0	2	11000	112

VLTKPYHFTIMWNVLGRGSC	2322.7	9.31	0	2	6990	87.5
VMLYNWHIMQHRNNKPVGSC	2427.8	9.31	0	2	6990	68
VNVLPKQTLPKMPQNHGSC	2204.6	9.31	0	2	0	87.5
VPMKRYMRSDHGQWNMHGSC	2420.7	9.31	1	3	6990	14.5
VRAWRGTNKHMLNNTYDGSC	2323.5	9.31	1	3	6990	39
VSPVGIWHLKKGITITMGSC	2127.5	9.31	0	2	5500	107
VTGVKRPPLYNWTHGNVGSC	2185.4	9.31	0	2	6990	63
VWPMYAARRMGSGESQKGSC	2201.5	9.31	1	3	6990	24.5
VYFLLNEPARNHKTSRPGSC	2289.6	9.31	1	3	1490	58.5
VYLAKLRTMAMIRVDFHGSC	2311.8	9.31	1	3	1490	97.5
WGLDARLWWNTAKPKMGSC	2277.6	9.31	1	3	16500	49
WGLWIQWWKQVTYRMNQGSC	2570.9	9.31	0	2	23490	53.5
WHTNELSRTWMKRYTIVGSC	2468.8	9.31	1	3	12490	53.5
WKONLYWITTFHQPMNRGSC	2510.8	9.31	0	2	12490	39
WNLTMLMSMLLPKKSINGSC	2267.8	9.31	0	2	5500	97.5
WRDKQMAHRQSARSEYMGSC	2427.7	9.31	2	4	6990	10
WRIMSHMVEYHKRWIHHGSC	2594	9.31	1	3	12490	53.5
WSRKEEETRTRRESTKGSC	2427.6	9.31	4	6	5500	0
WTLDSVNNHIKWRKSHGSC	2367.6	9.31	1	3	11000	68
WWGREGWEREKRTTWLKGSC	2551.8	9.31	3	5	22000	19.5
WWQHFEGRRLKQNPVFGSC	2538.8	9.31	1	3	12490	34
YASNVSRRPAAHQTKNTGSC	2091.2	9.31	0	2	1490	44
YDEIARTFRIRLAVTKPGSC	2296.6	9.31	2	4	1490	83
YGYPNIRLQAMWHGRHQGSC	2374.6	9.31	0	2	8480	44
YHNNPGFRVMQQNKLHHGSC	2367.6	9.31	0	2	1490	34
YLV SAYRQRNLSNSHPIGSC	2265.5	9.31	0	2	2980	78
YNSGANFRYGLNVNRAWGSC	2249.4	9.31	0	2	8480	44
YQLGRPARWHA EKLTWWGSC	2445.7	9.31	1	3	17990	49
YQVGFRKL RDHQGVTL SGSC	2251.5	9.31	1	3	1490	68
YRGEYGRIRAMWGF GMTGSC	2298.6	9.31	1	3	8480	24.5
YRIRRYFFNDALSQIIAGSC	2393.7	9.31	1	3	2980	88
YSRSEDYNQRTNRNSNRHGSC	2430.5	9.31	2	4	2980	0
YWLWPVTGLTPFKLPRVGSC	2320.7	9.31	0	2	12490	87.5
YWWQISRHRHLSKHTEGSC	2498.7	9.31	1	3	12490	39
AKQWMADIRGHNLSREKGSC	2287.6	9.31	2	4	5500	49
ARHAPVLMYRNYFITVLGSC	2311.7	9.31	0	2	2980	97.5
ARKVVSGERGSYITTNAGSC	2056.2	9.31	1	3	1490	58.5
DRPGYGQTNKRSNMPMTGSC	2200.4	9.31	1	3	1490	0
FAGHVMVNTQVKHVMKAGSC	2144.5	9.31	0	2	0	68
FEIDKLGHRAWPHSHKRGSC	2361.6	9.31	2	4	5500	44
FLKFMQKMSTVHIIWLNGSC	2383.9	9.31	0	2	5500	92.5
GEVNVWYRDRPKFNRMWGSC	2500.8	9.31	2	4	12490	29
GFHGPGMLGKTGRLSYGGSC	1982.2	9.31	0	2	1490	39
GQYQWRHIFIKNRHEGQGSC	2444.7	9.31	1	3	6990	39
GYLKIVHFRLLMQHMAPGSC	2301.8	9.31	0	2	1490	97.5
HAKANRISLAENDIQKRGSC	2211.4	9.31	2	4	0	73.5
HAQWEWKPGWTFKLLRIGSC	2443.8	9.31	1	3	16500	63.5
HGHTKKERNLTMSADRFGSC	2275.5	9.31	2	4	0	24.5
HHKWATVTMYAPGVAARGSC	2143.4	9.31	0	2	6990	49
HHKEFRHDMSIKMRPTGSC	2386.8	9.31	2	4	0	58.5
HPNYIQWFSFRLKHTMLGSC	2465.8	9.31	0	2	6990	58.5
HYQHILHLDIHRGKRVAGSC	2340.6	9.31	1	3	1490	97.5

ISPINWKHTWRLDHKQPGSC	2403.7	9.31	1	3	11000	58.5
KAPRHLSHLVQLFPKDAGSC	2204.5	9.31	1	3	0	83
KMGPELATWMLPYPTRRGSC	2294.7	9.31	1	3	6990	44
KMRHESTPWKWAQPVVMGSC	2358.7	9.31	1	3	11000	34
KPRKMWWVQEQQFFWPHQGSC	2518.9	9.31	1	3	11000	29
KRTEWTYSIPPLFRANTGSC	2327.6	9.31	1	3	6990	44
KSNFMNPLIFFQIPYRIGSC	2375.8	9.31	0	2	1490	78
KVVRMHHRGNFHPDPYGGSC	2374.6	9.31	1	3	1490	29
LAVTGYRTFAMNWSKNGSC	2237.5	9.31	0	2	6990	44
LPVAWLHYSRVKAVPLPGSC	2193.6	9.31	0	2	6990	112
LQELMKRASSAGAKSGMGSC	2012.3	9.31	1	3	0	54
LQKLRLRVLWLTDRYEQGSC	2477.9	9.31	2	4	6990	112
MALTGHNPNTLSSKVKQGSC	2073.3	9.31	0	2	0	58.5
MSGSVAKKWIQFFVAINGSC	2173.5	9.31	0	2	5500	78
NAMYKFWLRAGALNQVSGSC	2216.5	9.31	0	2	6990	68.5
NEQVRANKPHKNIFRIDGSC	2326.6	9.31	2	4	0	58.5
NFTSHWFSIFNQYRKQGSC	2478.7	9.31	0	2	6990	19.5
NGHSHTAEPKPSLKRHHGSC	2180.3	9.31	1	3	0	24.5
NHNGNLPINNTGAPPKKGSC	2033.2	9.31	0	2	0	44
NPHRKSDTKGQSPLERSGSC	2184.3	9.31	2	4	0	19.5
NTLTTRERETGFIKGFKGSC	2245.5	9.31	2	4	0	39
QHIFKRQFMHYDARNTSGSC	2426.7	9.31	1	3	1490	24.5
QLRPWLSPYFTFKANVHGSC	2351.7	9.31	0	2	6990	58.5
QQYQHASHGSEKMRNPGSC	2301.5	9.31	1	3	1490	5
QTHKSRDIKTHGGGHFPGSC	2150.3	9.31	1	3	0	19.5
RFAKSPIGMKPQQSHEMGSC	2219.5	9.31	1	3	0	24.5
RFMLRIWGFSGVWPYGGSC	2382.7	9.31	0	2	13980	53.5
RKGKWVQGVQLVGVNHDGSC	2167.4	9.31	1	3	5500	77.5
RLRADTLAKFYLMQIMGSC	2330.8	9.31	1	3	1490	107.5
RNYKHIMPAQWIWVMALGSC	2404.8	9.31	0	2	12490	83
RNYNNVGSSDPFRRKDMGSC	2303.5	9.31	2	4	1490	14.5
RPRYLLVTWHYWLHSGTGSC	2432.7	9.31	0	2	13980	73
RQRKNIMEMEGTVKQTQGSC	2324.6	9.31	2	4	0	34
RQVHPQWVLQVPSHKDKGSC	2329.6	9.31	1	3	5500	63
RRLHRTQYWQWVREADYGSC	2610.9	9.31	2	4	13980	39
RTRKEWFMPHIVLIYVVGSC	2434.9	9.31	1	3	6990	102
RWEAERNWNNGHAKKFNGSC	2404.6	9.31	2	4	11000	10
RYRSREKSLPDLFPTQMGSC	2371.7	9.31	2	4	1490	39
SSHIKMFKFISTILISHGSC	2236.6	9.31	0	2	0	97.5
VDQWK TALGMGQLKQRGGSC	2163.5	9.31	1	3	5500	58.5
VFLHLSMHYRSAWYRNFGSC	2474.8	9.31	0	2	8480	58.5
VGRRIFWMPEKQQIYPAGSC	2366.7	9.31	1	3	6990	58.5
VHINTERPVKNYVINGRPGSC	2240.5	9.31	1	3	1490	63
VPKNGNFVAGTSRLIYVGSC	2082.4	9.31	0	2	1490	87.5
VQAPKREPHVMPHWKSGGSC	2231.5	9.31	1	3	5500	34
VRMSMWWWYGRRTTELVGSC	2481.8	9.31	1	3	13980	48.5
VRQMHPKAPHESFVLKMGSC	2282.7	9.31	1	3	0	53.5
WEELPKARRILFSHTKMGSC	2389.8	9.31	2	4	5500	63.5
WFLPKKAVGSPAGGMFGGSC	1997.3	9.31	0	2	5500	44
WLAQYVEKIRNPRNIQMGSC	2406.8	9.31	1	3	6990	78
WLHDKIKIPHTMRVHSGGSC	2302.7	9.31	1	3	5500	73
YSGRWYTMNVFVQRPQGSC	2336.6	9.31	0	2	8480	29

AATMWIMFVKSSTLWMKGSC	2278.7	9.32	0	2	11000	63.5
AIKRSPMASTGSHGDQKGSC	2018.2	9.32	1	3	0	29.5
AKKLNTRLDNISLPGNIGSC	2114.4	9.32	1	3	0	102.5
AKKVAINMPDAGMWMVRGSC	2165.6	9.32	1	3	5500	63.5
AKTIEPHLPGQHKNRWP GSC	2256.5	9.32	1	3	5500	44
ALRSKWFPHNLYHLNNGSC	2371.6	9.32	0	2	6990	63.5
AMVNRISSEFAMKHATNYGSC	2188.5	9.32	0	2	1490	49
AMWVGTIMKPVWWTNRDKGSC	2280.7	9.32	1	3	11000	53.5
AQIQNYVNAKTSTMRVTGSC	2172.4	9.32	0	2	1490	58.5
AQMQLFTIQKGALMGVKGSC	2111.5	9.32	0	2	0	83
ARANYFTAHSIVQMIKQGSC	2225.5	9.32	0	2	1490	68.5
ASIQMIRLHSGHYPATGSC	2157.4	9.32	0	2	1490	68.5
ASNSHHRPPKLHNFYPHGSC	2286.5	9.32	0	2	1490	24.5
ASTGGETSASKRAVGAKGSC	1824.9	9.32	1	3	0	34.5
ATMLSSAYIKTNTTTRGGSC	2063.3	9.32	0	2	1490	49
EAKRVELRSHNQKWPMW GSC	2442.8	9.32	2	4	11000	39
EKFKRPRWPHLPFTHWDGSC	2524.8	9.32	2	4	11000	19.5
ELRIKEIWPRMNKSQANGSC	2360.7	9.32	2	4	5500	63.5
ELRKDNRVSMWMWWKWWGSC	2685.1	9.32	2	4	27500	34
ERKRMQHDLRTKPHSEQGSC	2423.7	9.32	3	5	0	19.5
ERTQSFAGLTGNKLKFSGSC	2131.3	9.32	1	3	0	44
ESFKEWKRHGTWTRFQGGSC	2427.6	9.32	2	4	11000	0
EWANKKNIWNGWLRTTPGSC	2361.6	9.32	1	3	16500	44
EWKMFGRNQIVKHATWNGSC	2392.7	9.32	1	3	11000	39
FWKVVAHTMWHPLQHGSC	2393.8	9.32	0	2	11000	53.5
ADKAVAPSPRWKNQM HFGSC	2230.5	9.32	1	3	5500	29.5
AFMYMTWRTKTIGNIAAGSC	2222.6	9.32	0	2	6990	54
AFRMPNITAGQIDKKPNGSC	2148.4	9.32	1	3	0	49
GMTKHYYQYPDSKKT LKGSC	2335.6	9.36	1	4	4470	19.5
HYYGKMHRETYAKKSYNGSC	2423.7	9.36	1	4	5960	5
TFYGYQKYKIKHAHQLYGSC	2435.7	9.36	0	3	5960	44
PASSRHYSMNWRAITAYGSC	2258.5	9.37	0	2	8480	34.5
PFWLIRWNHVVYKEWHRGSC	2701.1	9.37	1	3	23490	53.5
PGQKYLMSMFHRNTHPQGSC	2319.6	9.37	0	2	1490	19.5
PKGSILYMWVVVPRRQDGSC	2291.7	9.37	1	3	6990	82.5
PMWLMVQIVYVRATSKFGSC	2316.8	9.37	0	2	6990	87.5
PPRYIAYPVHNHWLRGGGSC	2280.5	9.37	0	2	8480	58.5
PPWVKLYLFNFFFRPVGGSC	2374.8	9.37	0	2	6990	68
PQFRLMDIKNPSQKGSGSC	2206.5	9.37	1	3	0	58.5
PIAQPWARNYKTWSALAGSC	2277.5	9.37	0	2	12490	54
PVRGGILEKIKIHSTVIGSC	2107.5	9.37	1	3	0	126.5
PVYHRFMKTQFVAHWAFGSC	2412.8	9.37	0	2	6990	39
PYGKTSRHVWWPFHNTTGSC	2361.6	9.37	0	2	12490	14.5
PNPLGFQFMMKAITKFP GSC	2214.6	9.38	0	2	0	44
PQIWGSKIAKSVTVNAPGSC	2043.3	9.38	0	2	5500	78
PIKHMVVRSVHTTHNSMGSC	2285.6	9.38	0	2	1490	48.5
PASMFSYFKKQGYYYKLGSC	2368.7	9.39	0	3	5960	24.5
DLKAFYKYPVAKRLYHGGSC	2316.7	9.43	1	4	4470	63.5
HDDQRKSTKNKKEKSNYGSC	2353.5	9.43	3	6	1490	0
KMDSKNKFM LDSQYKKFGSC	2385.8	9.43	2	5	1490	19.5
SYNKMKTWYANKKVDHHGSC	2397.7	9.43	1	4	8480	19.5
YGQDNVRYYYKKPAH KSHGSC	2338.5	9.43	1	4	4470	19.5

KDRQTVEYKTPFKSKYSGSC	2352.6	9.43	2	5	2980	14.5
KKSIYLVNIAVSKYYQGSC	2278.6	9.43	0	3	4470	92.5
EKAAYYKFMFKRDKTLQGSC	2414.8	9.44	2	5	2980	29.5
MDIWRLRKEVGATRFFNGSC	2386.7	9.49	2	4	5500	58.5
SIAPYMWIPDLIRRRPMGSC	2362.8	9.49	1	3	6990	83
SRFQPRMTNHVNSEWRYGSC	2455.7	9.49	1	3	6990	14.5
SRSSVAPESPKFRDRLGSC	2192.4	9.49	2	4	0	58.5
SSRQVENAHPKRMMREPGSC	2300.6	9.49	2	4	0	19.5
TAWIRGPYIASDRGHRPGSC	2200.4	9.49	1	3	6990	49
TEQETFRVKLWRWLLPRGSC	2505.9	9.49	2	4	11000	73
TGHRFVRYEQHRNPHWVGSC	2466.7	9.49	1	3	6990	29
AAGNYMDGWRRMAPTRSGSC	2187.4	9.5	1	3	6990	15
ARRNAGQQWSSHEKIDRGSC	2286.4	9.5	2	4	5500	29.5
AYMGVSRDRPMNWSTMRGSC	2305.6	9.5	1	3	6990	19.5
DPNIIVRPWGRGARYAMGSC	2219.5	9.5	1	3	6990	63.5
DWNVTHRFSIPQRKTVHGSC	2368.6	9.5	1	3	5500	48.5
FAMMVKMRHTRSGGDRDGSC	2242.5	9.5	2	4	0	19.5
FFNMLKRLGTAIRHPDVGSC	2262.6	9.5	1	3	0	78
FIFRPATFLMWWWNQRYGSC	2610	9.5	0	2	17990	44
FLFRVSWIQIFAYRVNNGSC	2420.8	9.5	0	2	6990	92.5
FLKWWGHIRAPTDHSRWGSC	2440.7	9.5	1	3	16500	44
FMGGWERLFNKKIFFHRLGSC	2445.8	9.5	1	3	5500	58.5
FMRQLRYTAFEFAAGRAWGSC	2397.7	9.5	1	3	6990	34.5
FRGWAHIFFGPHVIYRGSC	2307.6	9.5	0	2	6990	58.5
FRNFPVPVIFRYLNPWPGSC	2409.8	9.5	0	2	6990	68
FRNTRHKVLSQDLFFMVGSC	2385.7	9.5	1	3	0	68
FVQPGQGQGMGRISYRGSC	2085.3	9.5	0	2	1490	34
FVVHHKQVRLGWPTRNEGSC	2350.6	9.5	1	3	5500	63
FYNMRRGSWVVASPVTVGSC	2216.5	9.5	0	2	6990	63
GHRTWIAMKVIHARTNEGSC	2267.6	9.5	1	3	5500	63.5
GNLVNFRSHPMLEKRSSGSC	2219.5	9.5	1	3	0	53.5
GRLVTHHIKMARWTWEPGSC	2365.7	9.5	1	3	11000	58.5
GSERSRLGMEKVHFRISGSC	2236.5	9.5	2	4	0	53.5
GVIRLFIRGYRDGMTVPGSC	2197.6	9.5	1	3	1490	87.5
GVQLNVAQAQLSRRYVNGSC	2163.4	9.5	0	2	1490	92.5
GWAREHHWPRIYGVLRGSC	2393.7	9.5	1	3	12490	78
HFREHHLEQTVWRRYRVGSC	2596.9	9.5	2	4	6990	48.5
HPRNWWTFIQQGSRAYAGSC	2365.6	9.5	0	2	12490	29.5
HQRDTRRNYGVQFQGMVGSC	2339.5	9.5	1	3	1490	29
HRFGDWLQRKPPFREREGSC	2501.8	9.5	3	5	5500	19.5
HRPQSQASTRWNPQEPQKGSC	2325.5	9.5	1	3	5500	5
HRQAFNNFGISNIGYRGSC	2198.4	9.5	0	2	1490	44
IFFILMDMKTSWRVPRLGSC	2400.9	9.5	1	3	5500	92.5
IHSFRERGKWFVFTLVPSC	2366.7	9.5	1	3	5500	68
IIGWVPRFTAMDVQRKQGSC	2292.7	9.5	1	3	5500	73
INNVLSETRPFWNWRKGSC	2421.7	9.5	1	3	11000	53.5
IRESKGVLLTMMVVHRAGSC	2187.6	9.5	1	3	0	107
IVLTYTAITNRSRSSFGGSC	2133.4	9.5	0	2	1490	78
IVMLSRQFTVDRVKERLGSC	2337.7	9.5	2	4	0	102
IVNFTIQWRANRMFYERGSC	2491.8	9.5	1	3	6990	58.5
IWIWKAMTFWEQVRVHGSC	2548	9.5	1	3	16500	78
KDSVHSDQTRHVRLQMRGSC	2340.6	9.5	2	4	0	48.5

KLIITAPTVRREFWLQFGSC	2365.8	9.5	1	3	5500	97.5
KMRERAPRFPHPDALHGSC	2342.6	9.5	2	4	0	29.5
KSRLTHPVPRSGRESDSGSC	2156.3	9.5	2	4	0	34
KSVPSENNMQAGRVNRGSC	2121.3	9.5	1	3	0	34
LDRAKDALASVTGTRRLGSC	2090.3	9.5	2	4	0	88
LIERGWVHQWTRFVKFPGSC	2446.8	9.5	1	3	11000	68
LPLNKAFRHQPEQLFRAGSC	2312.6	9.5	1	3	0	68.5
LRKISRGIWGMREAGEFGSC	2253.6	9.5	2	4	5500	63.5
LRMDANPRTSDMVRKVHGGSC	2273.6	9.5	2	4	0	53.5
LRWRLFYNDPNSNPVRAGSC	2365.6	9.5	1	3	6990	58.5
LTQRFDLYIRHLWRHLMGSC	2546	9.5	1	3	6990	97.5
LVTLRVKAAVTDTRGAGSC	2019.3	9.5	1	3	0	97.5
LWAVSKRAWNSVRHDWWGSC	2444.7	9.5	1	3	22000	58.5
LWVRKPVNDGRFVNMTFGSC	2326.7	9.5	1	3	5500	63
MAWRLQANNINSSGWKFGSC	2270.5	9.5	0	2	11000	49
MDFPRVAIQHFTLAKRGSC	2324.7	9.5	1	3	0	63.5
MIAGGVKTTMWWLRVFPFGSC	2240.7	9.5	0	2	11000	73
MLQMNQSNNYALGPRRQGSC	2268.5	9.5	0	2	1490	44
MMKIHVVIVGTAQTTRGSC	2179.6	9.5	0	2	0	87.5
MRPPHMTASGINLTKSGSC	2174.5	9.5	0	2	5500	44
MTVIMSHNSALAHKRFSGSC	2203.6	9.5	0	2	0	83
MVNGLAMRMHNKVMPIGSC	2203.7	9.5	0	2	0	73
MVQSLWPAKIARTVAFSGSC	2152.5	9.5	0	2	5500	83
MWTIHSFNVTKLHMGRWGSC	2391.8	9.5	0	2	11000	53.5
MYMWHLWRLMQQTFHRSFGSC	2599	9.5	0	2	12490	39
NHREWMAARWNAYFQRAGSC	2454.7	9.5	1	3	12490	20
NNPLYVQFGRMFLLRQWGSC	2429.8	9.5	0	2	6990	73
NRDPPSPQPTLRKWQPSGSC	2251.5	9.5	1	3	5500	19.5
QAERTRFYNTHRGRENIGSC	2395.6	9.5	2	4	1490	24.5
QFLHNRRNVVFLVWDKPGSC	2415.8	9.5	1	3	5500	82.5
QKLEVERRNVGVGHLRQGSC	2265.5	9.5	2	4	0	82.5
QNQWEMFRRLPWWMMKFGSC	2662.1	9.5	1	3	16500	19.5
QRVPIVKWLLWEPRALPGSC	2348.8	9.5	1	3	11000	112
QTTRYDGRWNLRHVIMPGSC	2390.7	9.5	1	3	6990	53.5
REREWMPLTHQRNTKVSGSC	2415.7	9.5	2	4	5500	34
RFDIVGQNTNHRKIWWGSC	2464.7	9.5	1	3	11000	53.5
RFYFFRAGHSVMLHFSQGSC	2377.7	9.5	0	2	1490	39
RGKDEMPQRTLMPFRNTPGSC	2324.6	9.5	2	4	0	19.5
RGRQHSFLAAGDHLQIGSC	2181.4	9.5	1	3	0	68.5
RGSHKLVNDTRHVQQTWGSC	2309.5	9.5	1	3	5500	48.5
RGTVLWTSNVMYIRFSVGSC	2276.6	9.5	0	2	6990	82.5
RHQFPNKRWQPLVMWEQGSC	2527.9	9.5	1	3	11000	34
RIARTNTKLAEFVAWVAGSC	2193.5	9.5	1	3	5500	88
RIQKPETIIFAPFSIVRGSC	2262.7	9.5	1	3	0	97.5
RIRTDSSNNLTSKNIGSMGSC	2154.4	9.5	1	3	0	58.5
RLEATWPKPTMASFQRSGSC	2253.5	9.5	1	3	5500	29.5
RLQMVEFNIKWHRSQWGSC	2518.9	9.5	1	3	11000	73
RNTYINPGGPQRALSIVGSC	2103.3	9.5	0	2	1490	78
RPSFEQFKLFPPQNNRPGSC	2349.6	9.5	1	3	0	19.5
RRNVAVDQPTQFTNKGMGSC	2209.4	9.5	1	3	0	34
RRVMVDQSVGKFPVHMGSC	2319.7	9.5	1	3	5500	58
RTAAGHLMNFRTYTMPFGSC	2261.6	9.5	0	2	1490	29.5

RWHRVDLRSHTELPYIGSC	2481.8	9.5	2	4	6990	73
RYGIAFVGLSQGMGIRMGSC	2103.5	9.5	0	2	1490	78
SGRRMYLNLAQVWAWGTGSC	2256.5	9.5	0	2	12490	63.5
SHFTIWRVNLKIHFILWGSC	2457.9	9.5	0	2	11000	112
SKTLNIGSATWMHPPRMGSC	2174.5	9.5	0	2	5500	44
SKTRSLSHAHQMPASWFGSC	2218.4	9.5	0	2	5500	29.5
SMGFNKFRMSWTREGWNGSC	2381.6	9.5	1	3	11000	0
SPAHRWDSSGPAAKRPIGSC	2080.3	9.5	1	3	5500	34.5
SQMQTTKQQDRPRFLVNGSC	2324.6	9.5	1	3	0	34
STMTHWRMLQVWWGPMKGSC	2422.8	9.5	0	2	16500	34
STRPNVETRILLHHTKGSC	2250.5	9.5	1	3	0	73
TFSRHAMNYTFNQTRTFGSC	2369.6	9.5	0	2	1490	5
TGWAWVQALNLYMRRGSGSC	2256.5	9.5	0	2	12490	63.5
THGSNIALQRPAPPKPQGSC	2059.3	9.5	0	2	0	49
TLRPSKSFFSQQTITHWGSC	2311.6	9.5	0	2	5500	39
TLVAVKVLGLALTAARGSC	1942.3	9.5	0	2	0	156
TMGRQGAFIWSQRYAMHGSC	2287.6	9.5	0	2	6990	29.5
TMKAATVLSFLHSAPGRGSC	2034.3	9.5	0	2	0	68.5
TNKDRQWSSRVNNVQFIGSC	2339.5	9.5	1	3	5500	48.5
TSDLQRRGKSGALLIHMGCSC	2130.4	9.5	1	3	0	83
TVTLVATKRLATALVSLGSC	2004.4	9.5	0	2	0	136.5
TWTQQMHFFRFSHKLERGSC	2516.8	9.5	1	3	5500	19.5
VANRVQLYQVHWVVPVRGSC	2310.7	9.5	0	2	6990	111.5
VDLWYIMPHWRAFRTARGSC	2465.8	9.5	1	3	12490	63.5
VFRPLRMHAHERYHHMMGSC	2495.9	9.5	1	3	1490	39
VHDHQNPSRGNHLPIRKGSC	2252.5	9.5	1	3	0	53.5
VHMWQVHGDKPRHTRHHGSC	2405.7	9.5	1	3	5500	29
VISMLNKEISMPPRQTRGSC	2247.6	9.5	1	3	0	73
VKDFHARMVRHLPVRGEGSC	2294.6	9.5	2	4	0	68
VKHQNPNDIFVWIMRMRGSC	2431.8	9.5	1	3	5500	68
VLMRAINKRDAALNWITGSC	2232.6	9.5	1	3	5500	107.5
VLQGQMKREKIMLWPFHRGSC	2416.9	9.5	1	3	5500	73
VNASFLRRRKPVIIADDGSC	2217.5	9.5	2	4	0	97.5
VQPTSMHNSLERLKNHRGSC	2294.5	9.5	1	3	0	53.5
VVNNWDFYSIRRHQHRPGSC	2471.7	9.5	1	3	6990	48.5
VVNPSAAKERRHGIAMFGSC	2130.4	9.5	1	3	0	63.5
WHRAFTRQVFAIDKGPWGCSC	2362.7	9.5	1	3	11000	44
WQMWDIDRWKRIGHTGNHMGSC	2462.8	9.5	1	3	16500	39
WSRQRPPFGHPHSWEKGSC	2392.6	9.5	1	3	11000	19.5
WTGLSEGKERGRRLWLGCSC	2248.5	9.5	2	4	11000	58.5
WVRRARALAELYAPQMLGSC	2291.7	9.5	1	3	6990	93
WVTFGNMLIRNYRMQSVGSC	2362.7	9.5	0	2	6990	68
WWDHRVNSWARKSVAWLGCSC	2444.7	9.5	1	3	22000	58.5
YMHRHFEGRGAPMNFRRHGSC	2390.7	9.5	1	3	1490	5
YRVHQFVGRFMPVWMMHGSC	2434.8	9.5	0	2	6990	43.5
DNSRRSAKQRIFMHVDLGSC	2320.6	9.5	2	4	0	58.5
FAFRQSNLFWREHKADRGSC	2455.7	9.5	2	4	5500	29.5
GENRGASHSQRWRYMPAGSC	2250.4	9.5	1	3	6990	10
GPWGQRTQIIWRQPQDKGSC	2341.6	9.5	1	3	11000	39
GRHPRDWVSGSLGRIKEGSC	2197.4	9.5	2	4	5500	53.5
HFGAWRFFGTAWYARNPGSC	2331.6	9.5	0	2	12490	15
HGLTVAVVSPRSMRYGAGSC	2048.3	9.5	0	2	1490	73

HYARTIPLQSVFRPFQAGSC	2278.6	9.5	0	2	1490	63.5
IRDFKFTNTQVMARLPAGSC	2255.6	9.5	1	3	0	63.5
IRHDLPRVGQTKNFVAFGSC	2245.5	9.5	1	3	0	73
IYHRTVRPVSAMHFPGNGSC	2229.5	9.5	0	2	1490	53.5
KDVTVMWMAGFLRMRFMHGSC	2404.9	9.5	1	3	5500	39
LHNIRRIWHSGMWMVYTGSC	2447.8	9.5	0	2	12490	73
MFARAHNFDWVKWPLNRGSC	2435.8	9.5	1	3	11000	44
MFSKHGHPVHMFVLMFRGSC	2348.8	9.5	0	2	0	48.5
MPRPTFMVIMKLNVTHTVGSC	2261.8	9.5	0	2	0	82.5
MTIHVNPISMGPANRSKGSC	2100.4	9.5	0	2	0	58.5
QLIKSHEWSQPRMGPW RGSC	2383.7	9.5	1	3	11000	39
QRGVVPFMRSKFMWADHGSC	2339.7	9.5	1	3	5500	34
QSHQNNFRVRIIFFPYIGSC	2426.7	9.5	0	2	1490	73
QTGYPTIPPRRLATNSIGSC	2132.4	9.5	0	2	1490	63.5
QWTTREHFTKTWVIVHRGSC	2472.8	9.5	1	3	11000	48.5
RATGRPPMTTITSGYHMGSC	2124.4	9.5	0	2	1490	24.5
REHQRRMMTRYLHQEHSRGSC	2542.8	9.5	2	4	1490	19.5
RKAEWRRSHIDRDNNWPGSC	2483.7	9.5	3	5	11000	24.5
RWAPRAMIYTWHPFQWPGSC	2490.8	9.5	0	2	17990	29.5
RWHTSNWTRYLLEWMHRGSC	2619.9	9.5	1	3	17990	39
SGSIMRQFRKMTHWDQVGSC	2354.7	9.5	1	3	5500	34
SILRKILTGRVVDSALSGSC	2075.4	9.5	1	3	0	131.5
SSRGKFRTQGTEVPLFFGSC	2204.4	9.5	1	3	0	34
TKFFIIFLGIWRNNMIIGSC	2373.9	9.5	0	2	5500	117
TLIRRDPKNNGWHHTFMGSC	2370.6	9.5	1	3	5500	39
TMNSWNSKHGMFILWMRGSC	2386.8	9.5	0	2	11000	39
TTSQRKSAMIDRLSPMGGSC	2126.4	9.5	1	3	0	44
WKTNTQQPRQFIFSFD RGSC	2446.7	9.5	1	3	5500	19.5
WQAMTPFYLRTQRFSVWGSC	2464.8	9.5	0	2	12490	39
YPTWMPRLAWPVGMRHVGSC	2344.8	9.5	0	2	12490	53.5
AGTSVRMTMERKALLHPGSC	2145.5	9.51	1	3	0	63.5
AHGRLWTAMFHGMQQKVGSC	2245.6	9.51	0	2	5500	44
AIAVIELRGNFLT KPRNGSC	2159.5	9.51	1	3	0	102.5
AIFMSKFPFPQIVSPNRGSC	2226.6	9.51	0	2	0	58.5
ALPHQKITPVINRIPQWGSC	2258.6	9.51	0	2	5500	97.5
ARFLQEPQHRFAKNLPLGSC	2312.6	9.51	1	3	0	68.5
ATFWMRPHHSWSGQKTPGSC	2301.5	9.51	0	2	11000	5
ATLLARDATKAVTSRATGSC	1993.2	9.51	1	3	0	78.5
AWVSNQSFQPHIRLLGKGSC	2228.5	9.51	0	2	5500	78
DGHHTTASRLAKMFHRVGSC	2211.5	9.51	1	3	0	44
DIARHIKHFTRQMHNMMGSC	2413.8	9.51	1	3	0	44
EAILPSFILRRNALKWAGSC	2245.6	9.51	1	3	5500	112.5
ENMAKHRTAAAFIMHMMGSC	2322.7	9.51	1	3	0	34.5
EPRIMMRAKLNNWLQH HGSC	2421.8	9.51	1	3	5500	63.5
ERRIGHWGPGPGPTFIKGSC	2152.4	9.51	1	3	5500	39
ETNRWHRNRQGYLAHSTGSC	2373.5	9.51	1	3	6990	24.5
ETSNPAKNNFRMPRQLPGSC	2247.5	9.51	1	3	0	24.5
FGKGWTFRMQPMWVHPGSC	2399.8	9.51	0	2	11000	14.5
FMAHVNNHIGFKLRVNMGSC	2275.6	9.51	0	2	0	73
FNWQVRLKWSLIPVLLPGSC	2356.8	9.51	0	2	11000	126.5
FQLKSPQHWPFFHVMPMRGSC	2413.8	9.51	0	2	5500	34
FRIGAMMSWHTNSKTLGGSC	2184.5	9.51	0	2	5500	44

FTHWTRFTP KSHMQGNLGSC	2335.6	9.51	0	2	5500	19.5
FWIVSNPGKNGSLQVLRGSC	2162.4	9.51	0	2	5500	87.5
GRNMWAWFMKISLSNMGGSC	2276.6	9.51	0	2	11000	44
GWLKAMGPPFWGRLVQNGSC	2204.6	9.51	0	2	11000	58.5
HHRTHRPKDGHVQWMHVGSC	2405.7	9.51	1	3	5500	29
HILNQHLKHNFRAARLDGSC	2330.6	9.51	1	3	0	88
HNGSRIMAMVSVFTNKTGSC	2140.4	9.51	0	2	0	53.5
HNNLHGYSFRWIIHQRGSC	2511.8	9.51	0	2	12490	58.5
HRTVQLKLWALNGVFAVGSC	2199.6	9.51	0	2	5500	112
IFHRIANATMAHTKAGWGSC	2172.5	9.51	0	2	5500	59
IGHMSLKSIGMPRNAATGSC	2031.3	9.51	0	2	0	68.5
ILLAHHMPQSMIWNTRKGSC	2323.7	9.51	0	2	5500	83
KHGT MPLVIFGPNQRLIGSC	2168.6	9.51	0	2	0	92.5
KPTHFNQVVHVMGSRGLGSC	2154.4	9.51	0	2	0	63
KRFIWHHWMLITLSMTQGSC	2475.9	9.51	0	2	11000	78
LHVQSRVFPVPHHRQWKEGSC	2430.7	9.51	1	3	5500	63
LQHQWFLPARVLMKGGSC	2297.8	9.51	0	2	5500	117
LRNGTWTIHSSPFSKSGSC	2212.4	9.51	0	2	5500	39
LSGPIKVQPTHRPPSSIGSC	2061.3	9.51	0	2	0	73
LWKTFQNRNGSMSLIWHGSC	2365.7	9.51	0	2	11000	58.5
NKATGRNPGGWSGWQHHGSC	2137.2	9.51	0	2	11000	5
NVKHLVNFMTGRMTALFGSC	2226.6	9.51	0	2	0	73
NWAPMWLFRQNAQQWVKGSC	2450.8	9.51	0	2	16500	44
QAHFAVMHVWRKNAISSGSC	2229.5	9.51	0	2	5500	63.5
QGHWKMRMLRSNIDHHMGSC	2424.8	9.51	1	3	5500	39
QQIALFVPHMRTGGMLKGSC	2174.6	9.51	0	2	0	78
RLVQLSGNKGPN SVIWF GSC	2162.4	9.51	0	2	5500	87.5
RSQWQMMHLAIPFKVFQGSC	2394.8	9.51	0	2	5500	58.5
RVPQSFWNPNPKVSLSSSGSC	2180.4	9.51	0	2	5500	48.5
VKNRPMFNI SGIFWFMPGSC	2331.8	9.51	0	2	5500	53.5
VRTSVITSNKWWPNWWNGSC	2421.7	9.51	0	2	22000	48.5
WFHLKRPGAFAAANIHGSC	2182.5	9.51	0	2	5500	73.5
WHRGGFVAVHNTKMHHLGSC	2274.6	9.51	0	2	5500	53.5
WIASIQWRFAVKVIMPSGSC	2279.7	9.51	0	2	11000	97.5
WRGMHLKTVNF SHITWMGSC	2391.8	9.51	0	2	11000	53.5
WRPWANMVQFSNNKLSFGSC	2372.7	9.51	0	2	11000	39
AAKFRTQWMHWMWHHTGSC	2514.9	9.51	0	2	16500	29.5
AGYPFRNIRNHNMSGFIGSC	2241.5	9.51	0	2	1490	44
AVRSHVIMITKGPIFQMGSC	2175.6	9.51	0	2	0	92.5
EHRWFKTHRSSMNLN WGSC	2507.8	9.51	1	3	11000	19.5
HGPPPKLMTSRATLMWLGSC	2183.6	9.51	0	2	5500	63.5
IHPKQFQVTPQAWRSGAGSC	2198.4	9.51	0	2	5500	44
KMVGPNVQFVSAGARFGSC	2141.4	9.51	0	2	5500	53.5
KTMFNILRPVNFTHSMFGSC	2330.7	9.51	0	2	0	53.5
LAISMKRWVSNMNSPNQGSC	2223.5	9.51	0	2	5500	58.5
NIAFTLVPKIQRVAHNPGSC	2165.5	9.51	0	2	0	97.5
QIASISWVPRAKLNGVVGSC	2085.4	9.51	0	2	5500	112
QKTLAFLRLALWMFMSGSC	2316.8	9.51	0	2	5500	107.5
VPAGIKRPSAASNAILGSC	1926.2	9.51	0	2	0	93
AVYKAQLLSKYSFRDQKGSC	2292.6	9.52	1	4	2980	63.5
DKMKAWYIQNKVSFMKMGSC	2395.9	9.52	1	4	6990	39
FWFKEIVWTQFKKNIYGSC	2553	9.52	1	4	12490	53.5

HLIVYKKYYWVPSLMRMGSC	2475	9.52	0	3	9970	87.5
IKVLHKDIYSKSSFRKDGSC	2311.6	9.52	2	5	1490	73
IQKLKMHHKFYIMYGQMGSC	2443.9	9.52	0	3	2980	58.5
KDSKYFKRIQYSQSFNNGSC	2400.6	9.52	1	4	2980	19.5
KERFHYYAKMHHKPWTLGSC	2519.9	9.52	1	4	8480	24.5
KIGIKITWGPTHRYDKDGSC	2290.6	9.52	2	5	6990	39
KKYKGMNWQANYGWQFWGSC	2482.8	9.52	0	3	19480	5
KPNWHKTDEQQKHKKGIGSC	2349.6	9.52	2	5	5500	19.5
KRMFWKYPEDTQLPKRYGSC	2533.9	9.52	2	5	8480	19.5
KSRRLWWKKTEKETKEEGSC	2509.8	9.52	4	7	11000	19.5
KTKSSPKNERYPASHYGSC	2271.5	9.52	1	4	2980	5
KWNPGYGWNLMKRLYYNGSC	2450.8	9.52	0	3	15470	39
KYFERVMVTLKYVNHAKGSC	2373.8	9.52	1	4	2980	68
LIDDKIAGMYGKQRKKHGSC	2248.6	9.52	2	5	1490	63.5
MKKYLLYDTISRNFKTGSC	2396.8	9.52	1	4	2980	58.5
NKMMVWKMVHITHYMKYGSC	2488	9.52	0	3	8480	48.5
NNKKRYGPGTYMPIMLGSC	2293.7	9.52	0	3	4470	39
RWRSKYNPRPQYSNEYYGSC	2554.7	9.52	1	4	11460	0
RYTYSAGQWMSPYSGKKGSC	2257.5	9.52	0	3	9970	5
SYFKTGYGLNKLNRITYVGSC	2271.5	9.52	0	3	4470	53.5
SYNNSQKYSPAVHVQKKGSC	2225.4	9.52	0	3	2980	34
TVKKMYNGGLASKNALYGSC	2105.4	9.52	0	3	2980	63.5
YKWFKAAPGTNVKLELPGSC	2266.6	9.52	1	4	6990	58.5
YPYPKTSPSKVSLFAKLGSC	2173.5	9.52	0	3	2980	58.5
EAKGRDYK GKQFLISKFGSC	2262.6	9.52	2	5	1490	44
GDTKGQEVYKFHKKPPRGSC	2262.5	9.52	2	5	1490	14.5
KHYDTWYSKRIPLPKTWGSC	2466.8	9.52	1	4	13980	39
KSKDGVVITVEKFWKKPGSC	2236.6	9.52	2	5	5500	63
NHDFYVEKNKAKRTGQKGSC	2310.5	9.52	2	5	1490	19.5
WRYKGKSQIKGTEWLTYGSC	2391.7	9.52	1	4	13980	39
YWSTYNRNELYRKIMNKGSC	2526.8	9.52	1	4	9970	39
PMTAKYRYSRKSNYAENGSC	2326.5	9.54	1	4	4470	10
PARLDSVRAAKIAPTWGGSC	2056.3	9.56	1	3	5500	73.5
PAWELWRKLPRNGWVTLGSC	2369.7	9.56	1	3	16500	78
PEMYHGMARRSRHSQNVGSC	2303.5	9.56	1	3	1490	19.5
PFSLHAFWRFSGQLHYRGSC	2396.7	9.56	0	2	6990	44
PPWRWARNMTLYAADRQGSC	2379.7	9.56	1	3	12490	34.5
PRVRALGHTWWYRQDAIGSC	2372.6	9.56	1	3	12490	63.5
PYQWVNRSRQPVLSSNFGSC	2325.5	9.56	0	2	6990	48.5
PFHADQMKRNIGRMGLAGSC	2189.5	9.56	1	3	0	49
PHWNLLFRIWLRKDPGWGSC	2481.9	9.56	1	3	16500	78
PIIIDDHKWVIRHRGRAGSC	2329.7	9.56	2	4	5500	97.5
PQTMERGEKIRWNVMPTLGSC	2304.7	9.56	1	3	5500	53.5
PSAWEWIPRNQHNLNFRGSC	2426.7	9.56	1	3	11000	44
PWRHHMWEKILWLPLGRGSC	2502.9	9.56	1	3	16500	78
PLGMKWWLASRASVQFSGSC	2211.5	9.57	0	2	11000	63.5
PQKRVWSTIAFIMTFHPGSC	2306.7	9.57	0	2	5500	58.5
PIAKVSSPNGRILMSNVGSC	2030.3	9.57	0	2	0	92.5
PMLSSHGKRNLNMITGSC	2187.5	9.57	0	2	0	78
PNVMMFKSAWLVRISNGSC	2227.6	9.57	0	2	5500	73
PPFSLFMPSKLSRSAQGGSC	2097.4	9.57	0	2	0	44
EKEGEKTKPKKPEGKKGSC	2216.5	9.58	4	8	0	0

DYNRDSRKRYKRENNHHGSC	2535.7	9.62	3	6	2980	0
KDLEIAKTRERRMYRGYGSC	2432.8	9.62	3	6	2980	44
SKSKLKRSGELEESKSRGSC	2196.4	9.62	3	6	0	39
TYKMVRVGHFYSYVAFRGSC	2371.7	9.62	0	3	4470	48.5
TYFTDETRRYRKNTRAYGSC	2488.7	9.62	2	5	4470	5
AHHFYEF GKVRTKYIVRGSC	2398.7	9.63	1	4	2980	53.5
AMPTLTMWMIAGYRYKKGGSC	2308.8	9.63	0	3	8480	49
AMPTLTMWMIAYRYKKGGSC	2308.8	9.63	0	3	8480	49
AMPTLTMWMIYRYKKAGGSC	2308.8	9.63	0	3	8480	49
AMPTLTMWMYRYKKIAGGSC	2308.8	9.63	0	3	8480	49
AMPTLTMWYRYKKMIAGGSC	2308.8	9.63	0	3	8480	49
AMPTLTMYRYKKMWMIAGGSC	2308.8	9.63	0	3	8480	49
AMPTLYRYKKTMWMIAGGSC	2308.8	9.63	0	3	8480	49
AMPTYRYKKLTMWMIAGGSC	2308.8	9.63	0	3	8480	49
AMPYRYKKLTMWMIAGGSC	2308.8	9.63	0	3	8480	49
AMYRYKKPTLTMWMIAGGSC	2308.8	9.63	0	3	8480	49
AYRYKKMPTLTMWMIAGGSC	2308.8	9.63	0	3	8480	49
DLIQKNVGYQGWHRHKKGSC	2354.6	9.63	1	4	6990	53.5
DNYNDQNRKHKDSRKRQGSC	2449.6	9.63	3	6	1490	0
ESSKALWYQSSSIQKRKGSC	2273.5	9.63	1	4	6990	44
FFKYMMRDQLNRHHSKGSC	2548.9	9.63	1	4	2980	19.5
FIKGWQYRYHGTVRITGSC	2435.7	9.63	0	3	9970	53.5
FLTVGRWRDVYAKNYKSGSC	2350.6	9.63	1	4	8480	53.5
GDYLKNYFHVRKWWVWRGSC	2600.9	9.63	1	4	19480	48.5
GHLKTSKHIRKTTEKPDGSC	2223.5	9.63	2	5	0	39
GIKGQKKGPFIAFINSYGSC	2115.4	9.63	0	3	1490	63.5
GKIVFIAHKKWKMQNEHGSC	2341.7	9.63	1	4	5500	58.5
GREKSELGKSKKLGERGSC	2136.4	9.63	3	6	0	39
HFYRQRKNNHQIPLPYGSC	2521.8	9.63	0	3	4470	39
HHRYKHHNDNREKDSRKGSC	2504.6	9.63	3	6	1490	0
HKFRKEVTKIHYSHFLGGSC	2374.7	9.63	1	4	1490	53.5
HKHHNSRQKYKEESRQTGSC	2440.6	9.63	2	5	1490	0
HWFTMLKKDYRRKWIMEGSC	2616.1	9.63	2	5	12490	39
IIDKNHNTREYKIKHRNGSC	2426.7	9.63	2	5	1490	58.5
IKNHKTVLWEFNKKIQGSC	2386.8	9.63	1	4	5500	92.5
ILKWKARKHLEIYQPMVGSC	2400.9	9.63	1	4	6990	97.5
IRKKEDWWLNNLRAYLKGSC	2493.9	9.63	2	5	12490	83
KDHVRWWDKYMKTRIAHGSC	2517.9	9.63	2	5	12490	39
KDKGVSPGHFHKMTWKFGSC	2277.6	9.63	1	4	5500	14.5
KEWTRSTGKGKTGETLKGSC	2154.4	9.63	2	5	5500	19.5
KFYDNHKRTWVPSYIRSGSC	2444.7	9.63	1	4	8480	34
KHMQYHFYWSKIFRNQLGSC	2573.9	9.63	0	3	8480	39
KIAMFKWLMGDNFNWKKGSC	2404.8	9.63	1	4	11000	44
KKHMAMNYHVKAAILAPGSC	2170.6	9.63	0	3	1490	73.5
KLYARLNNLWWDEKKRIGSC	2493.9	9.63	2	5	12490	83
KMNGQGMKYWHWSRAQYGSC	2418.7	9.63	0	3	13980	5
KQDRLMIKKTNNDMKIQGSC	2351.7	9.63	2	5	0	58.5
KQKKHLPHKDLHVSQGSC	2308.6	9.63	1	4	0	53.5
KWKQDYINNHFVKVNRTGSC	2437.7	9.63	1	4	6990	48.5
KWSQKGNRKLTAADYVVGSC	2284.5	9.63	1	4	12490	39
KYKQNKITPINWILFIQGSC	2394.8	9.63	0	3	6990	97.5

KYMGKTSWEIRKVFTFAGSC	2339.7	9.63	1	4	6990	39
LEYRVMGRTSYKGSPQKGSC	2247.5	9.63	1	4	2980	34
LGWKFYKVTVYSVAVRGSC	2262.7	9.63	0	3	8480	97
LKGNARFFYKMHLPVGSC	2288.7	9.63	0	3	2980	58.5
LKHLRLYQGFSMYTPKWGSC	2415.8	9.63	0	3	8480	58.5
LSRHKDKNSNYRNVADKGSC	2292.5	9.63	2	5	1490	39
NAKAKIKNIEMSLYNLRGSC	2253.6	9.63	1	4	1490	88
NMKKFAMFLRWGGYISYGSC	2359.8	9.63	0	3	8480	44
NYTMQDWKKKIVDWFRRGSC	2561.9	9.63	2	5	12490	34
QGNMNLWKYKKMADMGRGSC	2318.7	9.63	1	4	6990	24.5
QMHKTHNQTKPYWITKGSC	2401.7	9.63	0	3	6990	39
QNQIKTWAWKYMYWIRTGSC	2563.9	9.63	0	3	19480	44
QVIKVMKYRWYGVNVMGSC	2374.9	9.63	0	3	8480	97
RHVYVKVCLPGNTFDSKGSC	2235.5	9.63	1	4	1490	63
RKIPYDVKSSQWDLARKGSC	2337.6	9.63	2	5	6990	58.5
RNIGVYYLKGPKLWSGWGSC	2284.6	9.63	0	3	13980	73
RNRAPYVIYYKHTREVLGSC	2425.7	9.63	1	4	4470	73
RQSHKYNQQWWKYGWTAGSC	2514.7	9.63	0	3	19480	5
RVPWMKHAKKKNEIHDLGSC	2377.8	9.63	2	5	5500	58.5
SPNTIISVRMTFKYKIGSC	2308.7	9.63	0	3	2980	73
SWNTKKYNMTMPKAAQNGSC	2260.5	9.63	0	3	6990	10
TKKVAAEATTRVLEKKVGSC	2119.5	9.63	2	5	0	78
VELSYNKRTRVKTSRGEAGSC	2242.5	9.63	2	5	1490	48.5
VIYRNKKVLYSWGVDNAGSC	2256.6	9.63	0	3	8480	102
VKSFFWNKYTIWWKQTGGSC	2466.8	9.63	0	3	17990	34
VLKHHRVKAFKFWHEYIGSC	2485.9	9.63	1	4	6990	73
VLTQKNVIGKRQKDIYLGSC	2263.6	9.63	1	4	1490	107
VSANFWRKKYAGFLSSYGSC	2271.5	9.63	0	3	8480	44
VYNQRFKPFVAQPPRYGSC	2420.7	9.63	0	3	4470	34
VYPPKRVWKVFFYFLALGSC	2420.9	9.63	0	3	8480	87.5
WNWAKYMRVWLRWLYQGSC	2710.1	9.63	0	3	26470	58.5
WPKWIFYKMHNKVDVRPPGSC	2475.9	9.63	1	4	12490	29
YAAGWYKNFNLTLFRKIGSC	2352.7	9.63	0	3	8480	68.5
YANRGNGKKVHWLLFYQGSC	2341.6	9.63	0	3	8480	58.5
YHLWKTQRRQHKAERYWGSC	2576.9	9.63	1	4	13980	39
YRYKKAMPTLTMMWMIAGGSC	2308.8	9.63	0	3	8480	49
YVWKQVRADLYQFRYIRGSC	2551.9	9.63	1	4	9970	73
YYRHFIAGQYRSPAKTGGSC	2262.5	9.63	0	3	4470	29.5
ERLKAPYPRPKHSDLYRGSC	2373.7	9.63	2	5	2980	44
GVQLLGKVKKEKVVANLGSC	2070.5	9.63	1	4	0	121.5
GYHFIKSKPDRPGQLKVGSC	2217.5	9.63	1	4	1490	53.5
IMKFQSALVMIYYRKPMGSC	2366.9	9.63	0	3	2980	78
KTQLFTIPIREQKYTKNGSC	2355.7	9.63	1	4	1490	58.5
KVWNIKSLGYVFHRMIYGSC	2401.8	9.63	0	3	8480	87.5
LGKYRYLSWQHPRRDYMGSC	2516.8	9.63	1	4	9970	39
QMKTEIPNPKFWKIFKAGSC	2353.8	9.63	1	4	5500	44
RYQAQIRFYHAWKYFGAGSC	2452.7	9.63	0	3	9970	34.5
TMIHMKVIVDKKPKQMNGSC	2288.8	9.63	1	4	0	68
VFKETEPYRQIKKGIVGSC	2338.7	9.63	2	5	1490	68
WIKPIWRKSSQDHHKYSIGSC	2419.7	9.63	1	4	12490	58.5
WTHVKKQIIKAIWLKELGSC	2381.9	9.63	1	4	11000	117
YQYHPVRSWYLPRKGWSGSC	2470.7	9.63	0	3	15470	34

PMPPRYYLQPLNAFFKKGSC	2357.8	9.65	0	3	2980	44
PNSYVHRTHRSYKYAIWGSC	2425.7	9.65	0	3	9970	39
PRKMIRFPKHYGQTYSDGSC	2371.7	9.65	1	4	2980	19.5
GASTEGGEKKKEKSKKGSC	2067.3	9.66	3	7	0	5
LKQWMTQKFRYYYYFWKGSC	2727.2	9.66	0	4	16960	19.5
HHERNKYRYNKQKSHKEGSC	2529.7	9.75	2	6	2980	0
KVQHLKTMIRVPLKYYGSC	2427.9	9.75	0	4	4470	87.5
YSKKASFFMKTNGMKHYGSC	2315.7	9.75	0	4	2980	5
AEKEQVERSFRKKHQIGSC	2416.7	9.78	3	6	0	39
AFARSLNYIAPVFRYKVGSC	2262.6	9.78	0	3	2980	83
AIFWEAKPRRVTPLYKGGSC	2279.6	9.78	1	4	6990	63.5
AMYKYHRPIATRMLPLFGSC	2355.8	9.78	0	3	2980	68.5
APAMRRDKKGDVGKWTGSC	2120.4	9.78	2	5	5500	24.5
DIDLFQLSHRKHWWQRKKGSC	2482.8	9.78	2	5	5500	58.5
DKKEHRRTRHERHQKESGSC	2504.7	9.78	4	7	0	0
DNRKRTFIYKLPGVMSHGSC	2309.6	9.78	1	4	1490	53.5
DQWQHWYRRAKRQQWEKGSC	2676.9	9.78	2	5	17990	5
DRFKTFKWAFYMHSSFRGSC	2561.9	9.78	1	4	6990	5
DRIGAVWKKLWADRKHAGSC	2297.6	9.78	2	5	11000	68.5
DVIANMRYKTLTINFKRGSC	2330.7	9.78	1	4	1490	78
FPTIFSLAYQRKFMLYRGSC	2428.9	9.78	0	3	2980	63.5
GENPKGWWMSRFFKKERGSC	2382.7	9.78	2	5	11000	14.5
GGEKRRKNATKHEQWILGSC	2298.6	9.78	2	5	5500	44
GGNHLAIAFNARYKYRGSC	2211.5	9.78	0	3	2980	73.5
GGNHLAIAFNARYKYRIGSC	2211.5	9.78	0	3	2980	73.5
GGNHLAIAFNRYKYRAIGSC	2211.5	9.78	0	3	2980	73.5
GGNHLAIAFRYKYRNAIGSC	2211.5	9.78	0	3	2980	73.5
GGNHLAIAARYKYRFNAIGSC	2211.5	9.78	0	3	2980	73.5
GGNHLAIAIRYKYRAFNAIGSC	2211.5	9.78	0	3	2980	73.5
GGNHLARYKYRIAFNAIGSC	2211.5	9.78	0	3	2980	73.5
GGNHLRYKYRAIAFNAIGSC	2211.5	9.78	0	3	2980	73.5
GGNHRYKYRLAIAFNAIGSC	2211.5	9.78	0	3	2980	73.5
GGNRYKYRHLAIAFNAIGSC	2211.5	9.78	0	3	2980	73.5
GGRYKYRNHLAIAFNAIGSC	2211.5	9.78	0	3	2980	73.5
GLYNRSRYNWTKRMHHEGSC	2495.7	9.78	1	4	8480	19.5
GNDGKRYYNRGGRDYNRGSC	2244.3	9.78	2	5	2980	14.5
GRYKYRGNHLAIAFNAIGSC	2211.5	9.78	0	3	2980	73.5
GWQKQWQMYRPNANRYIGSC	2486.8	9.78	0	3	13980	24.5
HRAQWTTFSKNDRSPKYGSC	2369.6	9.78	1	4	6990	5
HSMVGPLKYIFTRKRNDGSC	2309.6	9.78	1	4	1490	53.5
IGFMGRYMMQTFRKIFYGSC	2436.9	9.78	0	3	2980	39
IQIRVKWHFTYQWWVYRGSC	2657	9.78	0	3	19480	68
IYTLHKQSTRHLRFHPYGSC	2444.8	9.78	0	3	2980	58.5
KATAQEPGARKSERNQKGSC	2146.3	9.78	2	5	0	15
KEWQQRKARRYWHQWQDGGSC	2676.9	9.78	2	5	17990	5
KFPNEFRYRYNWARMQNPNGSC	2593.9	9.78	1	4	8480	0
KGDFGAEWGRWRKWVTKGSC	2354.6	9.78	2	5	16500	19.5
KHKSHYLHDVGTRGRPNGSC	2249.4	9.78	1	4	1490	34
KIEVTKWAQKQRPTRHGSC	2368.7	9.78	2	5	5500	39
KIGRRAMVQEGFDQKKMGSC	2269.6	9.78	2	5	0	39
KNYYNVAVGHARRQMLTGSC	2268.6	9.78	0	3	2980	58.5
KPLFRIFYRIVKAEVLFGSC	2386.9	9.78	1	4	1490	112

KRRTHRNQDEKTSREYNGSC	2465.6	9.78	3	6	1490	0
KRSAGARTYMNTEFFWYMGSC	2377.7	9.78	0	3	8480	10
KRTIMVTERKWSQKEHSGSC	2391.7	9.78	2	5	5500	34
KVLKYIRVHRQAEQGIIGSC	2298.7	9.78	1	4	1490	112
KYFFTRDNWNHGVKLQRGSC	2456.7	9.78	1	4	6990	34
LASSHHKDWPYRRHPTKGSC	2363.6	9.78	1	4	6990	24.5
LGYRVNYRKQNSAQLMSGSC	2275.5	9.78	0	3	2980	58.5
LKVKRHHAEKHKQDRFQGSC	2417.7	9.78	2	5	0	58.5
LNYSFRVQTIFREKPKAGSC	2344.7	9.78	1	4	1490	58.5
LTYAMREVTAGGPKKRIGSC	2138.5	9.78	1	4	1490	63.5
MAPLAKILRERYVAKTPGSC	2204.6	9.78	1	4	1490	88
MGRIDLKTMKVGWYERRGSC	2386.8	9.78	2	5	6990	53.5
MGVRKFKLPTSESRAVLGSC	2230.6	9.78	1	4	1490	58.5
MHSDVNSIRQRLYKNKMGSC	2367.7	9.78	1	4	1490	53.5
MKFSSTNRYGAGTYMWRGSC	2303.6	9.78	0	3	8480	5
MKNKYLRQRISNVDSHMGSC	2367.7	9.78	1	4	1490	53.5
MRTVYRDSYHIMMFRKMGSC	2513	9.78	1	4	2980	34
NEPKKIRTREHREPVTGSC	2365.7	9.78	3	6	0	34
NKKRSHHVNFIRYEVIGSC	2415.7	9.78	1	4	1490	68
NPRGRTGVDHLYHSKHKGSC	2249.4	9.78	1	4	1490	34
NQLVYRYRGMGKLNLVFGSC	2318.7	9.78	0	3	2980	87.5
NRKNKGHAYRDGHNIQLGSC	2268.5	9.78	1	4	1490	44
NYWNYSRIIVRFLGQYGSC	2495.8	9.78	0	3	9970	73
QEKRLMPIRK FYMHTANGSC	2410.8	9.78	1	4	1490	44
QKRGEKDIGARKAFWLQGSC	2278.6	9.78	2	5	5500	49
QSAYHNHRMKWRKIGIEGSC	2401.7	9.78	1	4	6990	44
QSDSRKSESRRHTYNTKGSC	2327.4	9.78	2	5	1490	0
QVDWTRWRKPKNEMAWKGSC	2506.8	9.78	2	5	16500	19.5
QYHHFMNLKRQGRAQAYGSC	2395.7	9.78	0	3	2980	29.5
REQYHPGVPKVRQMKTGGSC	2258.6	9.78	1	4	1490	29
RGTILKRAMSYFMLVYFGSC	2343.8	9.78	0	3	2980	78
RIGTDMYKMQWQKTIGRGSC	2359.7	9.78	1	4	6990	39
RKKDLAKTPESSVWVWRGSC	2333.6	9.78	2	5	11000	53.5
RLIQYNKFFMKEMRIMGGSC	2452.9	9.78	1	4	1490	58.5
RLRKLWVLKMOPYLHPEGSC	2454.9	9.78	1	4	6990	92.5
RMTYKEFLQQRTSWVTKGSC	2449.8	9.78	1	4	6990	34
RRFKVIWTNYTHQQKLDGSC	2480.8	9.78	1	4	6990	53.5
RRLYMNISWSTKYIVHGSC	2401.7	9.78	0	3	8480	73
RSALTGKGRLAEKTEKAGSC	2063.3	9.78	2	5	0	54
RTWKNEYGLLWRRQVFGSC	2562.9	9.78	1	4	13980	53.5
RVKRQKRTVIDGFWEVVGSC	2427.8	9.78	2	5	6990	63
RYKYRGGNHLAIAFNAIGSC	2211.5	9.78	0	3	2980	73.5
SLRHQVKYRVQRYEIAAGSC	2350.6	9.78	1	4	2980	73
SMLRWFMKPVVERDKKFGVSC	2444.9	9.78	2	5	5500	48.5
TDVAAKFYRKWWHQRWFGSC	2572.9	9.78	1	4	17990	24.5
TKYFRMHDSQTHGKHHRGSC	2413.6	9.78	1	4	1490	0
TRLKSIFIGYNTKANQSGSC	2188.4	9.78	0	3	1490	63.5
TSTHIIRYTTRLKYKNSTGSC	2302.5	9.78	0	3	2980	58.5
VDRHKHYKTLFAHLVRHGSC	2404.7	9.78	1	4	1490	73
VEEWGPKAMTLRLKKRPGSC	2286.7	9.78	2	5	5500	58.5
VPWFPRKFVKQHSNEYRGSC	2465.8	9.78	1	4	6990	29
VRHNERGAWYWVNVKLKGSC	2402.7	9.78	1	4	12490	68

VRKTHKGQLETSRLDTKGSC	2244.5	9.78	2	5	0	53.5
WFEYYRRKWPLNMRIPWGSC	2689.1	9.78	1	4	19480	39
WLDYWKDRLMHIRRKQAGSC	2563	9.78	2	5	12490	63.5
WLFRMQRADYMKSFKAFGSC	2472.9	9.78	1	4	6990	29.5
WQKKGRAHYIGEGLRMQGSC	2305.6	9.78	1	4	6990	44
WRKYHVQPIWVEAGKQRGSC	2428.8	9.78	1	4	12490	53.5
WRLILHYEKAMRFQVAKGSC	2436.9	9.78	1	4	6990	83
YDIISRLKAMSFSKQRGSC	2277.6	9.78	1	4	1490	63.5
YSGRPTAYSKAVMRHERGSC	2256.5	9.78	1	4	2980	24.5
AEYPPKSHYRTSRGIRGSC	2302.5	9.78	1	4	2980	24.5
ASQRDMKSKNSPPYNRHGSC	2263.4	9.78	1	4	1490	5
EDRGRAKRVDASFKKFWGSC	2343.6	9.78	3	6	5500	24.5
FPDIRPYKMVSQQGRNKGSC	2311.6	9.78	1	4	1490	34
FRKNKSYTWSVVRQDVQGSC	2388.6	9.78	1	4	6990	43.5
GNKFVPHKHRISEYENRMGSC	2360.7	9.78	1	4	1490	34
GPVDNNRRAYRKYFHIMGSC	2384.7	9.78	1	4	2980	39
GTKTEWFFVRLFKRLYLGSC	2451.9	9.78	1	4	6990	73
INKVFWKKEHRFDRTNFGSC	2512.8	9.78	2	5	5500	34
KHTTMQPPYLARRYWFGSC	2443.8	9.78	0	3	8480	24.5
QRAAKNSEKRPMKMGMEGSC	2239.6	9.78	2	5	0	10
SFKRMWYMLVNRYAQQGSC	2444.8	9.78	0	3	8480	39
TKEFQAATRAQTMKAWKGSC	2243.5	9.78	1	4	5500	20
VMKPKRSIGRYSTLIADGSC	2182.5	9.78	1	4	1490	78
WGIKTPHYMRMYRGISIGSC	2356.8	9.78	0	3	8480	58.5
YQERLNQIKWRQKHQLAGSC	2486.8	9.78	1	4	6990	63.5
AHWVPWQYNKRHKTTVFGSC	2445.7	9.79	0	3	12490	34
AKWMPNEKGQRGHWKMGAGSC	2302.6	9.79	1	4	11000	10
ASPMKNVFDKGTPRMAKGSC	2125.5	9.79	1	4	0	24.5
DHGRGTIKPAGTKVVKIGSC	2024.3	9.79	1	4	0	73
ERAHKLAKDIGSKFITRGSC	2217.5	9.79	2	5	0	68.5
FLAKVKVMGGKMMHIWNGSC	2237.7	9.79	0	3	5500	73
FNPIKITNQKKNFWPNLGSC	2349.7	9.79	0	3	5500	58.5
GDAVTKKGLVTGGIMRKGSC	1978.3	9.79	1	4	0	73
GIVGNKAWLHQFSAKNKGSC	2145.4	9.79	0	3	5500	63.5
GQIHTFYKTSSRMAIKAGSC	2186.5	9.79	0	3	1490	49
GQTQFAMHRFQQWYKIKGSC	2444.8	9.79	0	3	6990	24.5
GWHKKHKGKDMMMISARQGSC	2288.7	9.79	1	4	5500	24.5
HHKNKQFRGPPYWQFMQGSC	2476.8	9.79	0	3	6990	0
HLMNAKVHKHVTMKQMGAGSC	2251.7	9.79	0	3	0	58.5
HNQKSHHKAPNWQWTKTGSC	2375.6	9.79	0	3	11000	5
KGSKNVPTKMWPILQGIGSC	2144.5	9.79	0	3	5500	73
KIGKNIHHQQRMTYTWGSC	2389.7	9.79	0	3	6990	39
KISHLIASTYNWMHKLARGSC	2345.7	9.79	0	3	6990	83
KKDQTVHHLTRGKFHSHGSC	2303.5	9.79	1	4	0	34
KKRAPYFLTWMQASPHVGSC	2307.7	9.79	0	3	6990	44
KLARIKHVEKLGHFGNPGSC	2191.5	9.79	1	4	0	78
KLRMWNQTTVYKSNFHTGSC	2401.7	9.79	0	3	6990	34
KQHPIYIAHFLGTIVKRGSC	2268.7	9.79	0	3	1490	97.5
KQTLRGQYFPHMMKSFVGSC	2432.8	9.79	0	3	6990	19.5
KTLPGGMHRYNKVIPGGSC	2116.4	9.79	0	3	1490	53.5
KWAMHAVSHRKKFMIDFGSC	2379.8	9.79	1	4	5500	44
LGYASKQLGKAFNWRWNGSC	2157.4	9.79	0	3	6990	49

MMPNYLLKGPKTRMQNQGSC	2297.7	9.79	0	3	1490	39
MNLKHMHPHKKFGTHFGGSC	2294.7	9.79	0	3	0	19.5
MPPYLHQIVANHKRPLKGSC	2289.7	9.79	0	3	1490	78
MSFAAQSQKNNLSKVMGSC	2159.5	9.79	0	3	0	44
MVRHPKGTNTLKITYFIGSC	2266.7	9.79	0	3	1490	73
NGLSSKPWWNGNMKMKNKGSC	2152.4	9.79	0	3	5500	34
NLILRDLTKGHKNTAKWGSC	2255.6	9.79	1	4	5500	83
NNSMPGFKGVHKGHKSGGSC	2029.2	9.79	0	3	0	14.5
NPTVPKKVLHLP MAYNRGSC	2225.6	9.79	0	3	1490	73
NRIWQKYAPFFVSIKNNGSC	2372.7	9.79	0	3	6990	58.5
QKKYQWFIQSAGMSWRWGSC	2477.8	9.79	0	3	17990	24.5
QKVRLANVMHYSSVVKSGSC	2193.5	9.79	0	3	1490	82.5
QMRWPKIMNIYKSTVISGSC	2342.8	9.79	0	3	6990	73
SFGHIFKNGQTIPLKYRGSC	2253.6	9.79	0	3	1490	58.5
SMAPGNKVFKHYFWMRNGSC	2360.7	9.79	0	3	6990	19.5
SPAKPSQARYWKNQFPHGSC	2289.5	9.79	0	3	6990	10
TNQRNSNKKQDKQHTHQGSC	2339.4	9.79	1	4	0	0
TYSQLRVWQH TLPKGTKGSC	2290.6	9.79	0	3	6990	53.5
WGGIAPSKVIRKKWWQEGSC	2316.7	9.79	1	4	16500	58.5
WGKPMKPTFATFFVMFKGSC	2310.8	9.79	0	3	5500	19.5
YLQSSWVGPFPFKQKPRGSC	2312.6	9.79	0	3	6990	34
YMKVFSTGARSALNKHPGSC	2154.4	9.79	0	3	1490	44
AMRWKPIQDWWKHWMKWGSC	2661.1	9.79	1	4	27500	24.5
HYAHGIAAKRVGQQMKSGSC	2129.4	9.79	0	3	1490	49
KQSMTMQRKYWAAHNAPGSC	2295.6	9.79	0	3	6990	15
LMSRYKAMAILMVKWGSGSC	2232.7	9.79	0	3	6990	83
QKFKHQQGSFKLPWLSMGSC	2337.7	9.79	0	3	5500	39
RIQTPPKIEMIKQNVLKGSC	2283.7	9.79	1	4	0	92.5
SYWGNRMVFPTVPKLLKGSC	2283.7	9.79	0	3	6990	68
TKMDKHNNVSKRSFSPFGSC	2342.6	9.79	1	4	5500	14.5
VAFGVKPFNMNMGPKKHGSC	2149.5	9.79	0	3	0	34
VKKHVFVIIWVQGRWYWGSC	2579	9.79	0	3	23490	82.5
VRPINQKQLKSNIWYFHGSC	2418.8	9.79	0	3	6990	73
WFKKSQHD AVTALRGKGSC	2305.6	9.79	1	4	11000	44
PNAINQMVVEKKFMSRKGSC	2267.7	9.8	1	4	0	53.5
PWMYRTIHRDYTKRHQTGSC	2536.8	9.8	1	4	8480	19.5
PWVIKAVYKWRDNARNGSC	2376.7	9.8	1	4	12490	78
PYRFDWAALPLKKPMWRGSC	2422.8	9.8	1	4	12490	49
PFIPRSHTSTKAKGHYNGSC	2188.4	9.8	0	3	1490	24.5
PFVYQWSVMKHHTKWHRGSC	2514.9	9.8	0	3	12490	29
PWKPRMPDRNYKFSQMMGSC	2459.9	9.8	1	4	6990	0
PNLTMKGHWISKKSLWSGSC	2260.6	9.81	0	3	11000	58.5
AKGMFKAPYYKTPDRNRGSC	2290.6	9.86	1	5	2980	10
LYASHKYTRKVG GGYRHGSC	2240.5	9.86	0	4	4470	39
RHVTYKHSYKVKINRLEGSC	2418.8	9.86	1	5	2980	68
RWSKDYRYQKWHIMWKAGSC	2630	9.86	1	5	19480	24.5
YNRYKLKPSKLNRL EAWGSC	2426.8	9.86	1	5	8480	63.5
FKYRYPWVMVPKRWYQFGSC	2642.1	9.86	0	4	15470	29
VRRWYAYYYRHWN NKMGGSC	2610.9	9.86	0	4	16960	19.5
ATHVAKNIWWKK NAYKVGSC	2304.7	9.87	0	4	12490	63.5
FTQEVAKKWKIWKVKAPGSC	2334.8	9.87	1	5	11000	58.5
GKSANERHVQYLKMQKKGSC	2292.6	9.87	1	5	1490	39

KLKPMKKFQIQVNVLPYGSC	2321.8	9.87	0	4	1490	87.5
KSKSFGQSMKYRIETKFGSC	2312.6	9.87	1	5	1490	19.5
KWTIKKIKEFTKFPSALGSC	2312.8	9.87	1	5	5500	63.5
NNWQYKFTVPKKWKTLLGSC	2441.8	9.87	0	4	12490	53.5
NQNKTSHDKEKKQSKRNGSC	2317.5	9.87	2	6	0	0
QASKKGKKAVIMVMKHEGSC	2160.6	9.87	1	5	0	58.5
QYNIFFRYHKTTKVGFKGSC	2424.8	9.87	0	4	2980	34
VAISYMKRTKQYAHKPVGSC	2267.6	9.87	0	4	2980	58.5
WIIHKHDVAKKGTFAGKGSC	2174.5	9.87	1	5	5500	63.5
YINRKMWGKLYQKASNLGSC	2360.7	9.87	0	4	8480	63.5
YNRFQLKKTNSKHGTYGGSC	2289.5	9.87	0	4	2980	19.5
PKIGISKFVYIFQSKAGSC	2201.6	9.88	0	4	1490	78
PLNNKMKYTIFSWVKQKGSC	2372.8	9.88	0	4	6990	53.5
YYKKFPAKVPWRPYFKQGSC	2493.9	9.9	0	5	9970	19.5
IYGKKVKVKTNRQIVKDSGSC	2252.6	10.02	1	6	1490	68
RKKLKFHEKSVYPSMKQGSC	2381.8	10.02	1	6	1490	34
SKKRKKNYSYQYHHNSYKGSC	2443.7	10.02	0	6	4470	0
WDRKRYSPRWYFTARYGSC	2685	10.02	1	5	20970	5
AGWMLDKRVPKMRKAYGSC	2268.7	10.03	1	5	6990	49
AHKKGKRLVRDTLPEKIGSC	2236.6	10.03	2	6	0	78
ALLKRYRITFTVYSIMKGSC	2350.8	10.03	0	4	2980	97.5
AVPTIAPKVFRWNKAYKGSC	2236.6	10.03	0	4	6990	63.5
DYPIRHFVQAAAYGKRKRGS	2439.7	10.03	1	5	8480	29.5
EGSKRWSTTKGTSGGLGGSC	2054.3	10.03	1	5	5500	19.5
EYSMRFKWKWMKPGSFRGSC	2511.9	10.03	1	5	12490	0
FIKYVLPKIKHHSHNFRGSC	2411.8	10.03	0	4	1490	73
FTKEMLRARVKSYNGSGSC	2262.6	10.03	1	5	1490	39
GKPQYIRQKSYRRELNGSC	2396.7	10.03	1	5	2980	58.5
KALEKLRTLTEAKTAKRGSC	2204.6	10.03	2	6	0	73.5
KFWKIIHRGVEKLFQKVGSC	2332.8	10.03	1	5	5500	87.5
KIMLLFTYRRPKDKGVMGSC	2343.8	10.03	1	5	1490	73
KIWAMRKPRYQYWNQPAGSC	2483.8	10.03	0	4	13980	29.5
KKHTMSRTWRFTTRYDVGSC	2522.8	10.03	1	5	8480	14.5
KKPRKHMAMHMNWSGIYGSC	2362.8	10.03	0	4	6990	24.5
KLRTWIFYGKQIDRGRYSGSC	2421.7	10.03	1	5	8480	39
KRLNARPKLYMGIKPHDGSC	2284.7	10.03	1	5	1490	63.5
KSSSKRKSTDRQHEYRQGSC	2368.5	10.03	2	6	1490	0
KSTKYNGRGHKNASHTLGSC	2146.3	10.03	0	4	1490	24.5
KYRVKYRGWWFVSIAPHGSC	2442.8	10.03	0	4	13980	68
LAVKRLDLEKVTCLKRLGSC	2270.8	10.03	2	6	0	131.5
MAKIGRRLEFWSKPKYMGSC	2388.8	10.03	1	5	6990	44
MRHKQKYKIVEVTSRPGGSC	2304.7	10.03	1	5	1490	48.5
NKKFGNKWPIASNRYSTGSC	2258.5	10.03	0	4	6990	24.5
QEQSKSHKRERNTKKSNGSC	2332.5	10.03	2	6	0	0
QRKIFFNYKLHKIWFTAGSC	2487.9	10.03	0	4	6990	63.5
RGNVVKSTMAWGKKVIYGSC	2184.6	10.03	0	4	6990	68
RIGSKPQPFYHKWKIFSGSC	2366.7	10.03	0	4	6990	39
TMAKNRTTIKKTYNNGGSC	2201.5	10.03	0	4	1490	44
TTSRLTLESKESKSKRKGSC	2226.5	10.03	2	6	0	39
VIGQRYHLRKMALQLKYGSC	2364.8	10.03	0	4	2980	97.5
WAEKPKIKNWLGRQKLGGSC	2299.7	10.03	1	5	11000	63.5
WRFSTKYMNMMEKMWKRGSC	2601.1	10.03	1	5	12490	0

WTPEPKPMKVRKFTKMQGSC	2379.8	10.03	1	5	5500	14.5
WVYPYRYFFIKSSRGMRGSC	2503.9	10.03	0	4	9970	34
YKLARKVVALVPKRADMGSC	2205.7	10.03	1	5	1490	97.5
YLQTWRTKKDTRSNGSGSC	2316.5	10.03	1	5	6990	19.5
YPRLSNNKQKAKINIMIGSC	2278.7	10.03	0	4	1490	83
HKNQRWWPDKTQKSLGKGSC	2384.7	10.03	1	5	11000	19.5
HLYHWLRKKQNWSVWAKGSC	2527.9	10.03	0	4	17990	58.5
IAKIMYNRDRKSRIKNEGSC	2382.7	10.03	2	6	1490	63.5
IASKDFKGGKWRPENRFGSC	2354.7	10.03	2	6	5500	24.5
KDRFLQKGKQMFVPPWKGSC	2380.8	10.03	1	5	5500	34
KMRTITYYHLQAILKQRGSC	2410.8	10.03	0	4	2980	83
NIPVKYNKTPKSQARMLGSC	2235.6	10.03	0	4	1490	58.5
RPENHKVRQGGKFWVTYGSC	2420.7	10.03	1	5	6990	29
RWYWKNGKSHFHHFQKMGSC	2636	10.03	0	4	12490	0
SIKTRIKPMTIQKFMYAGSC	2303.8	10.03	0	4	1490	63.5
YPMFWGLVNWKRVSCKTGSC	2387.8	10.03	0	4	12490	48.5
YRNGRIAWQRELQKSYKGSC	2443.7	10.03	1	5	8480	44
YRSHRLTKESKIWPWSKGSC	2449.8	10.03	1	5	12490	39
GWAIQMKKLHNIKMFPKGSC	2317.8	10.04	0	4	5500	63.5
IGKQNSKWGIKHFMMKNGSC	2220.6	10.04	0	4	5500	39
ISIHHPKIKKNFPPKMGSC	2249.7	10.04	0	4	0	58.5
MAGIQPGYRQMYIRRFAGSC	2305.7	10.04	0	3	2980	49
MNRTNSRVYQKGRFIQEGSC	2374.6	10.04	1	4	1490	34
NPRYPVRVRRILDWYWPGSC	2533.9	10.04	1	4	13980	68
PAQAVKNFRLAVKKHQYGSC	2245.6	10.04	0	4	1490	63.5
PSTKNHRLPAYKWKTFLGSC	2334.7	10.04	0	4	6990	44
PTSPKMNGTMMKFSNSKGSC	2130.4	10.04	0	4	0	0
SFYTYTRQPPPMHRRPTGSC	2382.7	10.04	0	3	2980	0
SQWWPRKREIQRVQSHYGSC	2531.8	10.04	1	4	12490	34
STKAWWVTRRGESYMSRGSC	2348.6	10.04	1	4	12490	19.5
TKSRQKTWGRVDELFRPGSC	2351.6	10.04	2	5	5500	34
TRRFLHRTGFDYVWRYWGSC	2606.9	10.04	1	4	13980	34
TTRRMYDRFQKSMMGGPGSC	2309.6	10.04	1	4	1490	0
AFRRIYMQRYPQIGAMGSC	2305.7	10.05	0	3	2980	49
AGAFRERRYKPMMWLVHVGSC	2395.8	10.05	1	4	6990	44
AIVDSYRINMGVARRGKGSC	2153.5	10.05	1	4	1490	78
AMSFHRGWDRKYRMSNIGSC	2402.7	10.05	1	4	6990	24.5
ASRNWPWPFKNSVPGYRGSC	2309.5	10.05	0	3	12490	19.5
ATVRAKPNYGINRVHFPGSC	2187.5	10.05	0	3	1490	58.5
AWYRKGFALILNARMPGGSC	2211.6	10.05	0	3	6990	73.5
DLIRRKARQHISYMSHQGSC	2386.7	10.05	1	4	1490	63.5
DVHRFPSKGLTVFRSVGSC	2220.5	10.05	1	4	0	63
DWTRKHVHGRIAVKAWPGSC	2304.6	10.05	1	4	11000	58.5
ENHTVKKNARGTVHSSRGSC	2168.3	10.05	1	4	0	34
EQIFRGKQYVRSNTRNMGSC	2374.6	10.05	1	4	1490	34
FGRMTMHKMYQSFARQWNGSC	2435.7	10.05	0	3	6990	5
FKLRTVVAMRWNTYWQFGSC	2493.9	10.05	0	3	12490	53.5
FLKGYHREIRVNRIATHGSC	2357.7	10.05	1	4	1490	78
FNIGVAHRGFGFYRIQGSC	2257.6	10.05	0	3	1490	58.5
FSMRIPKHWQRSVWYIFGSC	2528.9	10.05	0	3	12490	53.5
FVAPNMPHWGKRKRDSVGSC	2272.6	10.05	1	4	5500	34
FWKVRAVGNHRLMWPYTGSC	2408.8	10.05	0	3	12490	53.5

FYSPRLFYMVHWTFRGRGSC	2510.9	10.05	0	3	8480	34
GALSGIKRSLNRFWTYIGSC	2229.5	10.05	0	3	6990	83
GERIKYMQFAVRPSHSRGSC	2309.6	10.05	1	4	1490	39
GFVQANQAQVDRTKRIKGSC	2206.5	10.05	1	4	0	58.5
GVPYFRFKVFMFTTRQNGSC	2385.7	10.05	0	3	1490	29
HIPSSPNIHAIREVKKRGSC	2229.5	10.05	1	4	0	78
HNNSKSRKRQHQENRHDGSC	2418.5	10.05	2	5	0	0
HRGAVGSVWRKYGREHPGSC	2239.5	10.05	1	4	6990	34
HRVWANETQTWKKARHPGSC	2392.6	10.05	1	4	11000	24.5
HRYVLSAPSYRRTQMTNGSC	2327.6	10.05	0	3	2980	39
HVNFMHKPKRRRYHDFNLGSC	2514.8	10.05	1	4	1490	34
IAPAKHRRLLPLHVWEIGSC	2311.7	10.05	1	4	5500	102.5
IAWGARPRTLKWDYGRGSC	2306.6	10.05	1	4	12490	68.5
IGRKWRFFETKILHGSVGSC	2321.7	10.05	1	4	5500	73
IHLHVVTTPYRVGKQMTGSC	2282.7	10.05	0	3	1490	82.5
IIQFMRPYLLPKRWSQHGSC	2460.9	10.05	0	3	6990	78
IITFRRQGYSKTHTVMPGSC	2282.6	10.05	0	3	1490	53.5
IIWYMFRVSRKGQLWTMGSC	2462.9	10.05	0	3	12490	73
IKQWTATRPPRMTLYGIGSC	2279.7	10.05	0	3	6990	63.5
IMIFKNRTTSFYRWHGPGSC	2401.7	10.05	0	3	6990	39
IVKYWSFNQFRIHRQWSGSC	2542.9	10.05	0	3	12490	53.5
IWETRRYFLARTPHIKWGSC	2520.9	10.05	1	4	12490	63.5
KGRLMLKLNMPRAEWD RGSC	2361.8	10.05	2	5	5500	63.5
KIIRHMHMREKSFAHIGGSC	2308.7	10.05	1	4	0	63.5
KLYAGSRITNGRWQITTGSC	2212.5	10.05	0	3	6990	63.5
KPWMEHHRVRASYSRGP GSC	2317.6	10.05	1	4	6990	39
KSDQTQPSWNRQKMNTRGSC	2352.5	10.05	1	4	5500	0
KSHDLGNDRSMKFRNRGGSC	2265.5	10.05	2	5	0	19.5
KSITDRGQKTWWEWRRNGSC	2494.7	10.05	2	5	16500	19.5
KSRSSKADTASRMMIPIGSC	2126.4	10.05	1	4	0	49
KVDYVNQWARRRIFMAPGSC	2397.8	10.05	1	4	6990	58.5
KVRINVELRQHMKSHGGSC	2292.7	10.05	1	4	0	87.5
LGERIAHTLKHRNKPPAGSC	2185.5	10.05	1	4	0	68.5
LHSWIYSTRVSKMRFFSGSC	2392.7	10.05	0	3	6990	53.5
LKERSIFFGFKRTPGMLGSC	2274.7	10.05	1	4	0	58.5
LKQTAHSDHIFWGRKRAGSC	2298.6	10.05	1	4	5500	49
LPIAGLMAFWSARSRYGSC	2214.6	10.05	0	3	6990	73.5
LRAGTRGAGKALVDTKSGSC	1948.2	10.05	1	4	0	68.5
LSYWNQSPFMRPRKWAFGSC	2461.8	10.05	0	3	12490	24.5
LTNRHKQAKEIRPDLRIGSC	2335.7	10.05	2	5	0	83
LVGQIQSKYTFPLVRRVGSC	2251.6	10.05	0	3	1490	102
LVLNNQKRNVFMREGLKGSC	2306.7	10.05	1	4	0	87.5
LYRPRFYLQQRIMQPWSGSC	2529.9	10.05	0	3	8480	58.5
MNFKRHLKRPVNPEHPWGSC	2433.8	10.05	1	4	5500	34
MTRKAQNVKQWELRNNAGSC	2334.6	10.05	1	4	5500	44
NRKWPHQETRLPKLGNTGSC	2322.6	10.05	1	4	5500	39
NTMNRTHGATRYKTMHPGSC	2263.5	10.05	0	3	1490	5
QIIGMKNWRVTFRYGTGSC	2354.7	10.05	0	3	6990	53.5
QLTESPLKKENRFMNRGSC	2394.7	10.05	2	5	0	39
QPKFNRNQYFTQWQRPPGSC	2482.7	10.05	0	3	6990	0
QTMEKNSASRKRATNIVGSC	2181.4	10.05	1	4	0	44
QTPWYNGTYRTRIGPRVGSC	2312.5	10.05	0	3	8480	34

RIKFTPRIYQNVETMVRGSC	2398.8	10.05	1	4	1490	68
RINPLVKIYIVFTSNRGGSC	2237.6	10.05	0	3	1490	107
RKLMGGTHERQSYLARNGSC	2264.5	10.05	1	4	1490	44
RLLRATMGKAHVAMTHYGSC	2203.6	10.05	0	3	1490	68.5
RLTKKHLEARIDVGTRAGSC	2211.5	10.05	2	5	0	83
RMFGQLVIGNKEKSHRPGSC	2244.6	10.05	1	4	0	53.5
RMVWGSTYGVALFARNKGSC	2203.5	10.05	0	3	6990	58.5
RNAKLYRIQRNWLDALAGSC	2348.7	10.05	1	4	6990	93
RPSYWKGNIGWMRHIGQGSC	2333.6	10.05	0	3	12490	39
RSHSPRVAFQMYKIREGGSC	2309.6	10.05	1	4	1490	39
RTGRWPRDFVKKLVIINDGSC	2347.7	10.05	2	5	5500	68
RTPHLPRDVAASKAMKWGSC	2211.5	10.05	1	4	5500	49
RVYRVKATVVQMPIGLFGSC	2224.7	10.05	0	3	1490	102
RWRIIHGEWMMLKKWGHGSC	2493.9	10.05	1	4	16500	78
RWWHIPNWNKIMTYQRSGSC	2563.9	10.05	0	3	17990	39
RYGHEHARPRMGWWNNKGSC	2442.7	10.05	1	4	12490	5
SHTQVLAQYAQNRWMRKGSC	2364.6	10.05	0	3	6990	44
SKFVFLWGGGRRGGDHKGSC	2151.4	10.05	1	4	5500	34
SKPKRVMRNWNSQSWDPGSC	2363.6	10.05	1	4	11000	14.5
SKRWMKWGNDTLPWRPAGSC	2376.7	10.05	1	4	16500	24.5
SNSTIQAIQMFWRRYNKGSC	2390.7	10.05	0	3	6990	44
TPSIIRNSKMTRAQFVYGSC	2259.6	10.05	0	3	1490	58.5
TRKAQGNPSYGWPSWVRGSC	2237.4	10.05	0	3	12490	19.5
TRYGHSPLPKTIMRTMVGSC	2285.7	10.05	0	3	1490	53.5
VAQYRKARPAFFVVLHMGSC	2280.7	10.05	0	3	1490	78
VFKSMGSTANFYRMNVRGSC	2255.6	10.05	0	3	1490	34
VIKLMGYGVARSSRGFTGSC	2089.4	10.05	0	3	1490	73
VKHGISINRAKERLPSTGSC	2153.4	10.05	1	4	0	78
VKSIRSARKIHMIPIDTGSC	2269.7	10.05	1	4	0	92.5
VWAIPGWKRSRWAVQYPGSC	2347.7	10.05	0	3	17990	58.5
WHPTGRYVWITVWKTRHGSC	2470.8	10.05	0	3	17990	48.5
WPYGQGLKGRHSFRHLGSC	2333.6	10.05	0	3	6990	39
WRRSQWKVWDRNAFHEKGSC	2576.8	10.05	2	5	16500	19.5
YLLPMRHAQKWLVVRWHMGSC	2513	10.05	0	3	12490	78
YSTKRRLILHFVSAMLSGSC	2269.7	10.05	0	3	1490	97.5
AGHRMGYEPRVRSKHVVGSC	2226.5	10.05	1	4	1490	48.5
DYNSRQPKRNLRLNMISGSC	2352.6	10.05	1	4	1490	58.5
FGPAGKPPVLRNRLGEGGSC	2083.4	10.05	1	4	0	58.5
GNMYALRWIRDRQMKNSGSC	2386.7	10.05	1	4	6990	44
HAFDShKTHRIKRTTLHGSC	2332.6	10.05	1	4	0	44
HSHLQNHMPWTGERKRKGSC	2389.7	10.05	1	4	5500	19.5
IGWRWFRNGKEYVRGSPGSC	2355.6	10.05	1	4	12490	34
IRKVNFKTLWAERGTTIGSC	2316.7	10.05	1	4	5500	78
ITHQFGNIMKRHDHRVKGSC	2364.7	10.05	1	4	0	53.5
KHERFWHMPRIHYNSAGSC	2512.8	10.05	1	4	6990	24.5
LGPAVSKQAHWWQRVYGSC	2329.6	10.05	0	3	12490	58.5
LGRMHTRKGLAAYMGIAGSC	2093.5	10.05	0	3	1490	73.5
MMQTRYVTRVINIKILGGSC	2283.7	10.05	0	3	1490	107
REMMIHGSHKSKNNRGWGSC	2315.6	10.05	1	4	5500	19.5
RHIPLDPKNVSARWKHMGSC	2332.7	10.05	1	4	5500	58.5
RMSEYPGNQKMRLMLTRGSC	2358.8	10.05	1	4	1490	39
RMSKSMNIAPWTRQFKDGSC	2343.7	10.05	1	4	5500	24.5

RSLDWKTRLAQQRYVSMGSC	2385.7	10.05	1	4	6990	58.5
RYLVLPFKRHIFRDVQGSC	2481.9	10.05	1	4	1490	87.5
SVQAMLIYAKHRNVLSRGSC	2233.6	10.05	0	3	1490	97.5
TKPAYVARIGMVSQRHTGSC	2162.5	10.05	0	3	1490	58.5
VLIRAHRRMMYIVAKMNLGSC	2306.8	10.05	0	3	1490	117
VYTMKHAVHPQLRPRIHVGSC	2358.8	10.05	0	3	1490	82.5
WQWVNSMEIKQHRRWKWGSC	2646	10.05	1	4	22000	34
YNRIRIQAWNSQSYVRVGSC	2400.7	10.05	0	3	8480	73
ASMFTKAIKPRSVIGSVGSC	2039.4	10.06	0	3	0	78
FAWKVIVKRNIWWMGFGSC	2441.9	10.06	0	3	16500	92.5
FMVVNLKMTFRTTHGKSGSC	2244.6	10.06	0	3	0	48.5
GKIRFMSFMKGWNIHNIGSC	2326.7	10.06	0	3	5500	58.5
GVGWFTRTAVWWWKLLKGSC	2381.8	10.06	0	3	22000	73
HFVHWWKHHRWKPFVWHGSC	2872.2	10.06	0	3	33000	0
HKAQFLIVRVVIPWQPKGSC	2306.8	10.06	0	3	5500	107
HKHHKFWRHFVHHHPWFGSC	2735	10.06	0	3	16500	0
HQKSSNFQSHTSWKWRTGSC	2392.5	10.06	0	3	11000	0
IKNIGRTTLNPQLHVKGSC	2207.5	10.06	0	3	0	92.5
IRFFIPFKFTTFFGVTGSC	2343.8	10.06	0	3	0	53.5
IVPRVWVNIISPAQTKKGSC	2283.7	10.06	0	3	11000	92.5
IWRLKHMSFTPKAAGQQGSC	2246.6	10.06	0	3	5500	49
KAIKSQASQSFWRMVLGSC	2214.5	10.06	0	3	5500	63.5
KGPRTVFHKAWSMSHMGSC	2246.6	10.06	0	3	5500	34
KHRMVQKITIHGLSHNGGSC	2203.5	10.06	0	3	0	73
KIPGISFKVRFTIIPVGSC	2159.6	10.06	0	3	0	107
LAPGGQRAKLNKVFNATGSC	2032.3	10.06	0	3	0	68.5
LKGLHTSTFWTKTRFQHGSC	2335.6	10.06	0	3	5500	39
LKQRQKMNTGHVAGGVFGSC	2118.4	10.06	0	3	0	53.5
LMPKFIGQNQQRGHQKPGSC	2254.6	10.06	0	3	0	39
MKNMVHKRISTHAAMLFGSC	2262.7	10.06	0	3	0	63.5
MLSHMIPPWHKSKRIHPGSC	2342.8	10.06	0	3	5500	58.5
MMPFMQAMSRNWWHSSKKGSC	2443.9	10.06	0	3	11000	5
MPHKHKNTHAQVLPNWRGSC	2341.7	10.06	0	3	5500	39
NAAGGRQGMMPAKHAKAVGSC	1911.1	10.06	0	3	0	39.5
NHMANLSNIKLALRKIVGSC	2182.6	10.06	0	3	0	122
PTGPNNFERFYRWRTHKGSC	2453.7	10.06	1	4	6990	0
SRAPVNAKIAKSAIMAIGSC	1988.3	10.06	0	3	0	98
TNFNARNKASNQLKFHGGSC	2251.4	10.06	0	3	0	29.5
TRPVKFHSVQFGKIMHPGSC	2256.6	10.06	0	3	0	48.5
VAIKGVQAIIRTVPSKMGSC	2058.5	10.06	0	3	0	112
VRIIFAWKVHTATHATKGSC	2226.6	10.06	0	3	5500	83
WGSSLSAWKWFKRNIIAGSC	2297.6	10.06	0	3	16500	68.5
WGWSKRFIQKPNFSMIQSC	2400.8	10.06	0	3	11000	39
WRNGSQWTKSFKLLIWMGSC	2428.8	10.06	0	3	16500	58.5
WTSLFAHARNLKKWILVGSC	2330.7	10.06	0	3	11000	102.5
GGTFHWKRIVTGKLQHAGSC	2183.5	10.06	0	3	5500	58.5
QVGKKWRGNAWTTNWQTGSC	2308.5	10.06	0	3	16500	19.5
RIWKLQKIVAPIHHAHQGSC	2322.7	10.06	0	3	5500	102.5
RNKPMKLILHIGAAQAVGSC	2107.5	10.06	0	3	0	107.5
WHTNKHKIRIFGLTQAQGSC	2325.6	10.06	0	3	5500	63.5
PEIKVPHFWWKRLVGSRGSC	2382.8	10.07	1	4	11000	68
PFNIKHVWMFPSKRFHPGSC	2415.8	10.07	0	3	5500	34

PHMIKGFQVSHFKVPRTGSC	2256.6	10.07	0	3	0	48.5
PKQHGRQQNQGIFKPMLGSC	2254.6	10.07	0	3	0	39
PIDASIARFKTSRSPKAGSC	2092.4	10.07	1	4	0	54
PPQQVQLMWVFSKFKRTGSC	2367.8	10.07	0	3	5500	48.5
PPRTKHNWIWKMHSETRGSC	2451.8	10.07	1	4	11000	19.5
KKEEKRRKRRHPKERKEGSC	2518.9	10.13	4	10	0	0
MRRFHDWRRETELTERIMGSC	2580.9	10.14	3	5	5500	39
EKTKEGKERRKRSSKSWGSC	2367.6	10.18	3	8	5500	0
KFMYSADKKRTRFRYSIGSC	2444.8	10.18	1	6	2980	24.5
HNRGNMTKGGQYKKKVTGSC	2194.5	10.19	0	5	1490	14.5
KSTEKKRERKGWLTSGGSC	2266.6	10.19	2	7	5500	19.5
SAHSTAIKKRKEPKKHPGSC	2190.5	10.19	1	6	0	29.5
SVKAVGRYWRSTYHKSJGSC	2300.6	10.19	0	5	8480	34
TGRRGTLLSTRELREGSGSC	2136.3	10.19	2	4	0	58.5
YARPYSMLKKHQRSIKTGSC	2354.7	10.19	0	5	2980	44
YKDLTRSKMIGRMLVKKGSC	2314.8	10.19	1	6	1490	73
KHSKNTKVTKSHHRFYTGSC	2346.6	10.19	0	5	1490	14.5
YRWLVHKSLLKQPWNQKGSC	2486.9	10.19	0	5	12490	53.5
EMDMVFRFQGMTRRMPRGSC	2435.9	10.2	2	4	0	14.5
NAKWAIKQIKKVTIKVNGSC	2229.7	10.2	0	5	5500	97.5
NLFRWLWNRHVDQDRGSC	2644.9	10.2	2	4	16500	53.5
NQRNRMFDRESWRQTTMGSC	2503.7	10.2	2	4	5500	0
PFLFPLKKLRNWQYQKKGSC	2481.9	10.2	0	5	6990	58.5
RFTRWMHRSVDNSEWMRGSC	2541.8	10.2	2	4	11000	14.5
RHFVVRANNEPIAAERRGSC	2282.5	10.2	2	4	0	63.5
RSSRTNFRWREAPFQVEGSC	2413.6	10.2	2	4	5500	19.5
ADGSNWAARHWIPRMPRGSC	2268.5	10.26	1	3	11000	34.5
AFEQGRMTLFRMVSNRSGSC	2277.6	10.26	1	3	0	39
APDHSRLHMFALWRRLVGSC	2352.7	10.26	1	3	5500	83
AQQPLDLRSVFRFWRGIGSC	2336.7	10.26	1	3	5500	78
ASNMGMIERSTHRITPRGSC	2204.5	10.26	1	3	0	44
FAMGHARRLMQDSRGAQGSC	2179.4	10.26	1	3	0	34.5
FFDFRVVRVVRWHFSITHGSC	2496.8	10.26	1	3	5500	63
MTNRREGRIVFHNFLHGSC	2371.7	10.26	1	3	0	53.5
NRLRFNDQTPHRHIFNLGSC	2425.7	10.26	1	3	0	58.5
QPRRLFWQQAENRNFTSGSC	2425.6	10.26	1	3	5500	24.5
RMHRQEQFQAFQPARHWGSC	2500.8	10.26	1	3	5500	10
RNVDTWPIRTQNFILRGSC	2377.7	10.26	1	3	5500	73
RPFVDGQTRFARQSQSPGSC	2224.4	10.26	1	3	0	19.5
RPMRPIWHRAAWNSGDAGSC	2268.5	10.26	1	3	11000	34.5
RVRTVTVVPRVTDITGSC	2188.5	10.26	1	3	0	92
RWERRMNAFPPTGGQWTGSC	2337.6	10.26	1	3	11000	5
SFDRQIIQVRHHRSTWGGSC	2370.6	10.26	1	3	5500	53.5
TRGTGNQVHSEQRTTRGGSC	2132.2	10.26	1	3	0	14.5
VQRMIRRMNPADWPFFVGSC	2410.8	10.26	1	3	5500	53.5
VTTTRTTQPRTRPTVEQGGSC	2175.4	10.26	1	3	0	29
AAEVTFQRLFMQARTRGSC	2285.6	10.26	1	3	0	68.5
AIMNMRSTRFIRNIVLDGSC	2297.7	10.26	1	3	0	97.5
GRANISTWHLERVGHRLGSC	2249.5	10.26	1	3	5500	78
GSRSFMHWRHPTRWDMGSC	2421.7	10.26	1	3	11000	0
HQNARRTLRRHNFWEVIGSC	2461.7	10.26	1	3	5500	58.5
LRRGHETQNMHRSGQAGSC	2253.4	10.26	1	3	0	24.5

LTRFGLREPWAFIRIVTGSC	2322.7	10.26	1	3	5500	97.5
MQPLDHRVGWRVVSRLQGSC	2324.7	10.26	1	3	5500	82.5
STPRQNIRHENSSQRSVGSC	2243.4	10.26	1	3	0	34
EPHQPTASRWTRIHNARGSC	2304.5	10.27	1	3	5500	29.5
SRYFSWNTYRAQRYRGLGSC	2471.7	10.28	0	4	9970	24.5
QKNGRNRRYFWADFNRYGSC	2538.7	10.29	1	5	8480	5
SYWWQVGMARKRTRKGDGSC	2372.7	10.29	1	5	12490	19.5
YRRGWIGMIQRHRIKYGSC	2509.9	10.29	1	5	8480	58.5
YRVEMYRKAHRLVTLRNGSC	2452.8	10.29	1	5	2980	73
SPKRWNHRWKADSNGRYGSC	2405.6	10.29	1	5	12490	5
TYQRRMGVGRGQQPYNKGSC	2286.5	10.29	0	4	2980	14.5
AHKVVPQRQIRHAYNRYGSC	2383.7	10.3	0	4	2980	58.5
DRHQRRKMTEPKKPM SHGSC	2409.7	10.3	2	6	0	0
DRIFHKMQHKPYKIKKRGSC	2501	10.3	1	7	1490	39
IPKPLKRERHYNIAPRSGSC	2322.7	10.3	1	5	1490	63.5
IRRWWYSVLRHGGHYSKGSC	2448.7	10.3	0	4	13980	53.5
KQKLPHWYRRLDRPVTVGSC	2439.8	10.3	1	5	6990	68
NYYQINVHTKSARIPRRGSC	2363.6	10.3	0	4	2980	58.5
PNNHTVFRDRFVNARSAGSC	2248.4	10.3	1	3	0	39
QPRARRPYMKAISGYSNGSC	2242.5	10.3	0	4	2980	29.5
RLTKRYALWRAMPYMFQGSC	2478.9	10.3	0	4	8480	49
RNKHERTKTRSYQKKKDGSC	2450.7	10.3	2	8	1490	0
RRVAISVPRKELYQGIGKSC	2260.6	10.3	1	5	1490	92.5
RYFVARPSPHWLRYKLLGSC	2449.9	10.3	0	4	8480	78
WIIKYHRKFKNDFKKRTGSC	2556	10.3	1	7	6990	39
FFYKKDFTPRHTFQNRRGSC	2535.8	10.3	1	5	1490	0
LTWRYQMYAMAITRRKHGSC	2472.9	10.3	0	4	8480	49
PIGRLRDLPMNLNTGRGGSC	2127.4	10.3	1	3	0	78
RVMKVPDKTRARPNEGKGSC	2229.6	10.3	2	6	0	34
VGRIDRILAYRWKIKAMGSC	2336.8	10.3	1	5	6990	102.5
ANEKKIMGKTTMRRSHLGSC	2248.6	10.31	1	5	0	44
ATAGRRAAEKLKSLAKGSC	2005.3	10.31	1	5	0	64
GHAVQGGGLKRAHRVYKQGSC	2152.4	10.31	0	4	1490	58.5
IGLKLKTWQSWRYNHRFGSC	2480.8	10.31	0	4	12490	58.5
ISNSTLKKRRPYLAPSSGSC	2165.5	10.31	0	4	1490	63.5
KNRWPAATRYHATIKQWGSC	2374.7	10.31	0	4	12490	34.5
KNTVNSHVRRKVSWMQGSC	2380.7	10.31	0	4	6990	43.5
KQPFYNRNLFKFQNRFLGSC	2507.9	10.31	0	4	1490	39
KSVRADHRKQNIKAMLTGSC	2243.6	10.31	1	5	0	63.5
LRIKHFGWYQSIKRMTAGSC	2382.8	10.31	0	4	6990	63.5
PPKNRHKERPIQINWKFSGSC	2435.8	10.31	1	5	5500	39
PPMRMIGYIINGKQHRKGSC	2286.7	10.31	0	4	1490	58.5
PVKYWAKSRVHTRGSWFGSC	2352.7	10.31	0	4	12490	34
QPLITRKTYPRGKGNLHGSC	2226.5	10.31	0	4	1490	58.5
QRRYKKSHMTLAPGIFNGSC	2294.6	10.31	0	4	1490	44
QRSWFSGKEPKFQRIWKGSC	2455.8	10.31	1	5	11000	19.5
QSHMRRYKKT LAPGIFNGSC	2294.6	10.31	0	4	1490	44
QSHMTLAPGIFNRRYKKGSC	2294.6	10.31	0	4	1490	44
QSHMTLAPGIFRRYKKNNGSC	2294.6	10.31	0	4	1490	44
QSHMTLAPGIRRYKKFNGSC	2294.6	10.31	0	4	1490	44
QSHMTLAPGRRYKKIFNGSC	2294.6	10.31	0	4	1490	44
QSHMTLAPRRYKKGIFNGSC	2294.6	10.31	0	4	1490	44

QSHMTLARRYKKPGIFNGSC	2294.6	10.31	0	4	1490	44
QSHMTLRRYKKAPGIFNGSC	2294.6	10.31	0	4	1490	44
QSHMTRRYKKLAPGIFNGSC	2294.6	10.31	0	4	1490	44
QSHRRYKKMTLAPGIFNGSC	2294.6	10.31	0	4	1490	44
QSRRYKKHMTLAPGIFNGSC	2294.6	10.31	0	4	1490	44
RKMVWLTRKDVQIWFKAGSC	2452.9	10.31	1	5	11000	73
RRLSPKHNDFAPTMKKTGSC	2274.6	10.31	1	5	0	24.5
RRYKKQSHMTLAPGIFNGSC	2294.6	10.31	0	4	1490	44
RSRQKILMYQHIGALHKGSC	2326.7	10.31	0	4	1490	83
TMIHMQRVKPRKLTNYVGSC	2362.8	10.31	0	4	1490	68
TMKGHSRGVKRVSQDIKGSC	2174.5	10.31	1	5	0	48.5
VRAKVTRKAEAKPFPNTGSC	2160.5	10.31	1	5	0	44
EKTWFRSNQGRKIFNTKGSC	2387.7	10.31	1	5	5500	19.5
HSGRKNKGKAARENVAHGSC	2107.3	10.31	1	5	0	29.5
KLRGMGLLSHNLDRKGGSC	2170.5	10.31	1	5	0	78
KRAHMKPRKPGHPDTNIGSC	2230.5	10.31	1	5	0	24.5
PGTNQLILYKRNRMKWSGSC	2352.7	10.31	0	4	6990	58.5
RAMLQFVYKWMMAKRGLAGSC	2316.8	10.31	0	4	6990	68.5
FKPFANVMKQFIFRKHAGSC	2356.8	10.32	0	4	0	44
FQNWKHRTFVMWKAKMAGSC	2456.9	10.32	0	4	11000	24.5
HHKNKKQQQHHKQKKQHGSC	2474.7	10.32	0	6	0	0
KKRWFPFKQAGWQQFIHGSC	2479.8	10.32	0	4	11000	24.5
KQMTPMATSILRMNPKKGSC	2222.7	10.32	0	4	0	44
KSVLRAITTSMHVKKAGSC	2104.5	10.32	0	4	0	78
MTINTMMKGPQIKSRNKGSC	2225.6	10.32	0	4	0	39
QISNGVAKLARKKVISSGSC	2046.4	10.32	0	4	0	97.5
QQIIQAVKRPKKGNQQIGSC	2224.6	10.32	0	4	0	78
PLGSRLPPKATKLKWGMGSC	2127.5	10.32	0	4	5500	63.5
RGAAGKKAISMPMSKVFGSC	2026.4	10.32	0	4	0	49
ARWPGPGPGPGGIRPGGSC	1873.1	10.35	0	2	5500	24.5
ATMTHWGMMENTWRALGRGSC	2267.6	10.35	0	2	11000	29.5
FFFTSVSWRLPRVQIHHGSC	2404.7	10.35	0	2	5500	68
FQMHVLGFRWPAHFAGRGSC	2304.6	10.35	0	2	5500	44
FVMIRWRHVMVNWFWHNPWGSC	2604	10.35	0	2	16500	48.5
GARWAAPFQRTLMSAMQGSC	2169.5	10.35	0	2	5500	39.5
GLIIHIRARLMNIQMVWVGSC	2311.8	10.35	0	2	5500	136.5
GNWRALRVFWASGPIGLGSC	2147.4	10.35	0	2	11000	83
IRFVAILVFVIIIARGSC	2216.8	10.35	0	2	0	209.5
LLVRLIVAVVLLAARAIGSC	2050.6	10.35	0	2	0	214.5
MNVQFRLIWPSVMTNWRGSC	2425.8	10.35	0	2	11000	68
MRTISRWIQLLQQMVFTGSC	2398.8	10.35	0	2	5500	92.5
NPRPTLVLRPPWGAPNGSC	2131.4	10.35	0	2	5500	73
QAHPGNRNSGIHNSARQGSC	2091.2	10.35	0	2	0	29.5
QNHRHWHTIRLQVAISQGSC	2371.6	10.35	0	2	5500	78
RGAFHAPWRFGVLVHMQFGSC	2304.6	10.35	0	2	5500	44
RHWRHWMITMVTLASSSGSC	2346.7	10.35	0	2	11000	58.5
RQQTMTWPGVHPRMVVIAGSC	2253.6	10.35	0	2	5500	68
RSPAFIGMHITRTSTGTGSC	2104.3	10.35	0	2	0	24.5
SHTIRHFALRQWFFHFHGSC	2514.8	10.35	0	2	5500	44
THQPGTGWQVLIPRATGSC	2165.4	10.35	0	2	5500	58.5
THSNGFMSLRSRPLWAHGSC	2244.5	10.35	0	2	5500	44
VVSAGVFRLRVMWILLNGSC	2220.7	10.35	0	2	5500	141

AHRAHWSVLIVAVRNQHGSC	2241.5	10.35	0	2	5500	97.5
GWNWQTFHMTFRFRVVNGSC	2425.7	10.35	0	2	11000	43.5
HGFVMPRSILRTMHLNNGSC	2270.6	10.35	0	2	0	73
QRTQTPAVWRNVATIPSGSC	2172.4	10.35	0	2	5500	58.5
SWARLPNFGAGRNLMPQGSC	2162.4	10.35	0	2	5500	49
VFAQNMAGRWNFNRWASGSC	2302.5	10.35	0	2	11000	29.5
PRNTHPWMNPRSMQFLSGSC	2346.6	10.39	0	2	5500	19.5
PWMTAGSLRMQRTNHQSGSC	2248.5	10.39	0	2	5500	24.5
WHHWFHHKKKKPWWKKKGSC	2700.2	10.41	0	7	22000	0
VPRKSSNRYYPYRRQRDGSC	2488.7	10.43	1	6	4470	14.5
FLMRKYNKQRFYIAFRGSC	2528	10.45	0	5	2980	58.5
INAIYKRRFQYVRPKIGSC	2411.9	10.45	0	5	2980	92.5
INVAGRKYISFSKERKGSC	2299.6	10.45	1	6	1490	58.5
KVRPRVPVNRWLEYAKKGSC	2386.8	10.45	1	6	6990	68
KYQFAGQRSQKQYRWRIGSC	2419.7	10.45	0	5	8480	24.5
LKTYRRKSMQEPVQRLKGSC	2408.8	10.45	1	6	1490	53.5
NYKVWYNIMIRRWGRTKGSC	2531.9	10.45	0	5	13980	53.5
RTYWNYGIMRHNKTRKGGSC	2428.7	10.45	0	5	8480	19.5
WRTKAAMKWQKYQREHRGSC	2550.9	10.45	1	6	12490	10
ERKKRIGHWGTFIKSQKGSC	2346.7	10.46	1	6	5500	39
FKPKAFFRVSKDTRKQLGSC	2343.7	10.46	1	6	0	39
HFKKWMYRTKVFFTMTRGSC	2555	10.46	0	5	6990	14.5
HPRNVKMVAYPKQKQRAGSC	2298.7	10.46	0	5	1490	39
NKWLAARKRLRAIYWQMKGSC	2423.9	10.46	0	5	12490	73.5
TNIKRTMMKFRKKHFQDGSC	2456.9	10.46	1	6	0	19.5
VNWIFGIKFIHRKYRKHGSC	2489.9	10.46	0	5	6990	73
WGKTKMYVIPWIRVVRGSC	2407.9	10.46	0	5	12490	82.5
KTMRNNYVKKTMRFFGGGSC	2325.7	10.46	0	5	1490	14.5
RRKIQPAQAFHYTAKNKGSC	2304.6	10.46	0	5	1490	34.5
PQKKWIGVRGMYKRGVPGSC	2247.7	10.47	0	5	6990	48.5
FKFHHFKPWKFHHRHGSC	2639	10.48	0	5	5500	0
KLKGHHWIIWRKIMMTKGSC	2503.1	10.48	0	5	16500	78
PWKFHRHWHHHKHVKWKGSC	2746.1	10.48	0	5	22000	0
VWLHHKRWKKMGWVKQHGSC	2532	10.48	0	5	16500	48.5
WRHKPFFKWKPWKHFHWGSC	2726.2	10.48	0	5	22000	0
EKEKRRSGKRRGELKKWGSC	2418.8	10.55	3	9	5500	19.5
RVFKRYKRWLHVSRYFYGSC	2652.1	10.55	0	6	9970	48.5
RWQKKVKMKRDHVFYFRMGSC	2584.1	10.56	1	7	6990	29
KRYKAKIPNLVPFTNKRGS	2320.7	10.58	0	6	1490	58.5
KKFHPHFKPWHRHKKPGSC	2530	10.6	0	6	5500	0
LHKNKRVFAKGPHMKKGSC	2223.6	10.6	0	6	0	39
WWFKKWFKKFRHFPWHKGSC	2767.3	10.6	0	6	22000	0
WWHHKWFKHKKFWRHKFGSC	2797.2	10.6	0	6	22000	0
EHRIRARFPRRIVYTADGSC	2403.7	10.64	2	5	1490	63.5
RRRKQRDVNNLEEMPRTGSC	2445.7	10.64	3	6	0	34
ERRIKGHKWGKTFKIKKGSC	2387.8	10.67	1	8	5500	39
DRIVGRFILQYLGRHRVGSC	2345.7	10.69	1	4	1490	107
GPRRHRPERYGHTAHLGSC	2258.5	10.69	1	4	1490	29.5
KRRRSTLMNRTSQQESDGSC	2340.5	10.69	2	5	0	19.5
QNVPRDRWSRIKPFPRGSC	2414.7	10.69	2	5	5500	34
RFGRPQHQHDFRRHAIYGSC	2468.7	10.69	1	4	1490	24.5
RNIAAGEIRHWWRRWIGSC	2530.9	10.69	1	4	17990	68.5

RSWRWLRRSGEGGKSETGSC	2295.5	10.69	2	5	11000	19.5
SERGIRRTFKRSSIDMGSC	2243.5	10.69	2	5	0	39
SFWTRRMKVRWEIRDSSGSC	2487.8	10.69	2	5	11000	34
VRHRGLYQLIFRGVIRDGSC	2345.7	10.69	1	4	1490	107
ILTHINRRLERNKERFGSC	2455.8	10.69	2	5	0	97.5
KKGKKAKKPKKGKKAKKGSC	2156.7	10.7	0	12	0	10
IYNKRSQVRRKGFKKKYGSC	2446.9	10.72	0	8	2980	34
EGSMRRNSPHNQRAKTWGSC	2302.5	10.76	1	4	5500	5
ERRIGHWGTFIKSQWRVGSC	2403.7	10.76	1	4	11000	53.5
ESIRMLQMWAKVTIRRIGSC	2378.9	10.76	1	4	5500	97.5
FFYMWIVFRQPTRQAQRGSC	2521.9	10.76	0	3	6990	39
FIIRNAWVHHKEQRRVWGSC	2522.9	10.76	1	4	11000	73
FPRKRNWWNTGPMREMNGSC	2467.8	10.76	1	4	11000	0
GYMNIPTWAAHRRQRLLGSC	2330.7	10.76	0	3	6990	68.5
HAWSRGPYRIATGPIRGSC	2198.5	10.76	0	3	6990	68.5
LQRWKNRARVFLITFSDGSC	2397.7	10.76	1	4	5500	78
LSQMRHMKRMMWGRANEGSC	2409.8	10.76	1	4	5500	24.5
MLGYHPSNSSWRPRSRVGSC	2277.5	10.76	0	3	6990	34
NSIIKGQNRNIVREIRMGSC	2288.6	10.76	1	4	0	92.5
QMNFIIRRVGLHQWKSREGSC	2432.8	10.76	1	4	5500	53.5
QTMWTAMMRYFRFTQRWGSC	2588	10.76	0	3	12490	5
RFLRRKPWSMEAHAAQPGSC	2328.7	10.76	1	4	5500	34.5
RGNHSKDRWRTVLQALNGSC	2298.5	10.76	1	4	5500	58.5
RKGNVPRTARLFSVEWWGSC	2349.7	10.76	1	4	11000	53.5
RPDRKWGTLTLMWSRFGSC	2410.8	10.76	1	4	11000	58.5
RTRFLNPQWYATNRINHGSC	2434.7	10.76	0	3	6990	44
RVYVQQRTGLTNARQLHGSC	2287.5	10.76	0	3	1490	73
SFYVRGVMAGNQHHRTRGSC	2263.5	10.76	0	3	1490	34
SWRRMRMHKNFMISNLDGSC	2469.9	10.76	1	4	5500	39
VHPPYRNIRIRAPTGHWGSC	2317.6	10.76	0	3	6990	58.5
VQERMHNRTWKRFGGSMGSC	2367.7	10.76	1	4	5500	14.5
WMKRFVGRFWRDWPFWGSC	2619	10.76	1	4	22000	19.5
WRDGPLIKQVRQMWVVRGSC	2414.8	10.76	1	4	11000	82.5
WSHDRFRKPLILWLPMRGSC	2499	10.76	1	4	11000	78
GQQTRRFTYTFQPWWHRGSC	2542.8	10.76	0	3	12490	0
LDRKGPFTTSWRRIMFPGSC	2355.7	10.76	1	4	5500	39
LPVTHRRSQWARNTVYLGSC	2344.6	10.76	0	3	6990	73
MMARHRPKMLNGWELGRGSC	2330.7	10.76	1	4	5500	44
NFGAILWYMPRHRRTIGSC	2409.8	10.76	0	3	6990	63.5
RQDQHQRWFLQIRGHTGSC	2481.7	10.76	1	4	5500	39
RQNTIRSRQKINLGGDGSC	2160.4	10.76	1	4	0	58.5
SFNRTRIGHQWTYNMRTGSC	2415.6	10.76	0	3	6990	19.5
SWMRVQRHIHEFKFHRGGSC	2498.8	10.76	1	4	5500	34
TMHSWAYARMHRRMVATGSC	2352.7	10.76	0	3	6990	29.5
WSWRKSRERNPHSSNIHGSC	2424.6	10.76	1	4	11000	19.5
PSNRHAARKSFNSEAGRGSC	2132.3	10.77	1	4	0	15
RERSSRGRKELWKRTGEGSC	2378.6	10.79	3	7	5500	19.5
RETRSERDKKHRRHTSQGSC	2454.6	10.79	3	7	0	0
FQMKRHTRRYRENIIGFGSC	2499.9	10.85	1	5	1490	39
HLSVRGYRTNRPSPGRYGSC	2263.5	10.85	0	4	2980	34
MVRSPKKEHRRVFEQRTGSC	2431.8	10.85	2	6	0	29
NEIQARYRNQRKTQRQPGSC	2433.6	10.85	1	5	1490	24.5

RWIYTHHLADRVRRKPGSC	2408.7	10.85	1	5	6990	58.5
TKENKNHRNHRQRRHQEGSC	2515.7	10.85	2	6	0	0
LRGPGYRTKPFWDQRRIGSC	2393.7	10.85	1	5	6990	39
AHRWLLVKRSQAHFWGNGSC	2353.6	10.86	0	3	11000	63.5
ARGMVHMQWFGRQKGFGGSC	2240.6	10.86	0	3	5500	19.5
ARMNFQMLSHNKRMMINGSC	2369.8	10.86	0	3	0	44
FQGHTSTHALRWFRKPVGSC	2315.6	10.86	0	3	5500	39
GGGQRQVTMRMKIWWQTGSC	2223.6	10.86	0	3	5500	48.5
GMSMRMGNLQRFMFHKGFGSC	2365.8	10.86	0	3	0	19.5
HMRAMNPFKPHTNIGRWGSC	2340.7	10.86	0	3	5500	24.5
HWHHRWWHHWKHPHHWRGSC	2831.1	10.86	0	3	27500	0
IRWVMKWMNSTQGRTNMGSC	2386.8	10.86	0	3	11000	34
KIINSQWSFSPHRWTRMGSC	2421.7	10.86	0	3	11000	39
LARHNPWQWGRAWHWNKGSC	2490.7	10.86	0	3	22000	29.5
LLIMKGPWGVVTRRGWIGSC	2229.7	10.86	0	3	11000	107
LPTATPRRPFMLAQKHLGSC	2224.6	10.86	0	3	0	68.5
MMNFRVWVIPVGRKHQIGSC	2358.8	10.86	0	3	5500	82.5
MMPRITAATKMWRSFWGGSC	2317.7	10.86	0	3	11000	29.5
MRTVNAFGQLFRPKGTTGSC	2171.5	10.86	0	3	0	39
NATGWHTTMRRIGIKWIGSC	2288.6	10.86	0	3	11000	63.5
RAFHMRQLHIKMFALSSGSC	2320.7	10.86	0	3	0	68.5
RFTWFGMWAAMFKPRPQGSC	2404.8	10.86	0	3	11000	10
RHFPWFHFFFWHHKWRHGSC	2773.1	10.86	0	3	16500	0
RLVWFLNTPKTTTGIFRGSC	2297.7	10.86	0	3	5500	73
RRVVFPMHVMKMWLHNGSC	2456.9	10.86	0	3	5500	63
RSMNFAPWIWSKGGWHRGSC	2363.7	10.86	0	3	16500	24.5
RTGMWVTGAHPKFSIRTGSC	2192.5	10.86	0	3	5500	39
RVFRGTGSVKAGPMAMAGSC	1983.3	10.86	0	3	0	44
SLIRHGIALRTITPKALGSC	2107.5	10.86	0	3	0	127
SMAQRNWRKAHPVLFTFGSC	2336.7	10.86	0	3	5500	44
SQHGTKNFQAPRLRMTAGSC	2190.4	10.86	0	3	0	29.5
SVKPWRPLITGNRWLNSGSC	2271.6	10.86	0	3	11000	73
SVMTAATLIFPRRSKSHGSC	2149.5	10.86	0	3	0	63.5
VLKLVLARLLLASRGAGSC	2053.5	10.86	0	3	0	180.5
VVNRLLVWTKGGMAMIGSC	2191.7	10.86	0	3	5500	107
WGINWMTPKGNGQRMTRNGSC	2337.6	10.86	0	3	11000	19.5
WRRSTPVGPTWFGKFLGSC	2368.7	10.86	0	3	16500	34
FFGVMHLRTNGMWNNKRGSC	2355.7	10.86	0	3	5500	34
GLIRNMALIALMWRKSIGSC	2233.7	10.86	0	3	5500	127
GPQMWRGLGMKSWARQPGSC	2233.6	10.86	0	3	11000	24.5
HGQNRVHKRFQIAQQQNGSC	2265.5	10.86	0	3	0	39
KWSHFVRVNNIFHNRGPGSC	2340.6	10.86	0	3	5500	63
NAALFNRKNAPTNRSQIGSC	2162.4	10.86	0	3	0	54
NIRMLLRFTVFPAQKLIGSC	2307.8	10.86	0	3	0	117
NLAKRLHQSSSGLRFTQGSC	2190.4	10.86	0	3	0	63.5
NTWGRIPQKLIRWMNGGSC	2318.7	10.86	0	3	11000	58.5
WVPPATRKQHARSSGQNGSC	2167.3	10.86	0	3	5500	24.5
PFMVMFRRSILQLATWKGSC	2371.9	10.87	0	3	5500	78
PITQMIMSWPTGRFKWRGSC	2382.8	10.87	0	3	11000	39
RSREYLRRYQQRNKVTFGSC	2547.8	10.89	1	6	2980	34
AGVRHKFHPYLMQFRRHGSC	2427.8	10.92	0	4	1490	39
EIPALWMRRRNMPGKKGSC	2327.8	10.92	1	5	5500	44

HRPKSKHTDIRNFVRIMGSC	2382.7	10.92	1	5	0	53.5
KARWNGRNMTPVYWRNGSC	2367.6	10.92	0	4	12490	24.5
KFVRPATEKWLFRTARTNGSC	2367.7	10.92	1	5	5500	44
KRKQFQRQHSPVRPEFFTGSC	2435.7	10.92	1	5	0	14.5
LHRTNSWHRFTRKQDKNGSC	2471.7	10.92	1	5	5500	19.5
LWRMMHKTPPMRHDKFRGSC	2515	10.92	1	5	5500	19.5
MAINWGGKARYPNRRHIGSC	2287.6	10.92	0	4	6990	49
NASMKTWRRMYSRSWQHGSC	2472.8	10.92	0	4	12490	5
NRNRIKYVFRPMHGLHIGSC	2398.8	10.92	0	4	1490	73
NTYRRIVMSVLHAHKRHGSC	2365.7	10.92	0	4	1490	73
PNPEAWARSFKRWNRKFGSC	2437.7	10.92	1	5	11000	10
RGFSTRERQPLGKKTQGSC	2237.5	10.92	1	5	0	19.5
RLHAQTITMLLYRTRKLGSC	2361.8	10.92	0	4	1490	102.5
RLLGWKVAPRYFPRPMNGSC	2348.8	10.92	0	4	6990	58.5
RNNFRKFFGRHNVHYPMGSC	2467.8	10.92	0	4	1490	14.5
RYQLGHRTVSKQWRTAAGSC	2305.6	10.92	0	4	6990	44
TQGWLKWNKGGERQTRRGSC	2348.6	10.92	1	5	11000	19.5
TRITRFKYAWISASRTSGSC	2291.6	10.92	0	4	6990	49
TRNRIQFRIKWLNITLSGSC	2456.8	10.92	0	4	6990	78
WQAGNRRKVWNFRMEWKGSC	2539.9	10.92	1	5	16500	19.5
WRRHYAMSLSRKTSTINGSC	2354.6	10.92	0	4	6990	44
WYRRNRQSNWFVWKAFVGSC	2590.9	10.92	0	4	17990	34
ARNRMKWPARHWYHWGAGSC	2470.8	10.92	0	4	17990	15
LKQTNVRIIGHYNRNRGSC	2342.7	10.92	0	4	1490	92.5
MATWRRHADRKQWSSKFGSC	2438.7	10.92	1	5	11000	10
RHTRAVQSGRYKTHNQSGSC	2273.4	10.92	0	4	1490	19.5
RKQIKQEGRSTPRHWSIGSC	2354.6	10.92	1	5	5500	39
WWPFPRLDPRFKMRNKSGSC	2508.9	10.92	1	5	11000	19.5
EPKLWFKPRRGGRHRHGGSC	2467.8	10.94	1	6	6990	19.5
LRSRRWREKTELWGLKKGSC	2489.9	10.94	2	7	11000	58.5
TKRIHKWPQDAYRIRRGSC	2428.8	10.94	1	6	6990	44
TRNQNRKENNSKHRTYGSC	2449.6	10.94	1	6	1490	0
NKSTHRFVYRRRRPEKYGSC	2540.8	10.95	1	7	2980	14.5
AGHPRKFRHPTGPNKTGGSC	2105.3	11.01	0	4	0	5
DIKKVAMRPLLRRMKIMGSC	2347	11.01	1	6	0	97.5
FVYRRGIVPTVGKVQRQSC	2250.6	11.01	0	5	1490	77.5
HKHFFHHWHWFHKRRWFGSC	2804.2	11.01	0	4	16500	0
HKIHLQIVFQRSIWRKGGSC	2393.8	11.01	0	4	5500	92.5
KFHFWKWHWRWHHRPFGSC	2803.2	11.01	0	4	22000	0
KHWP HHKWWRWWRFWHFGSC	2891.3	11.01	0	4	33000	0
KLILPWHRSSAKWVAVRGSC	2294.7	11.01	0	4	11000	97.5
KPQLVLLMHRRLMPFKHGSC	2391.9	11.01	0	4	0	92.5
KRGSLMVHTKHSLRALQGSC	2209.6	11.01	0	4	0	78
KTLVMKTQRRPWWLWPLGSC	2487	11.01	0	4	16500	73
NPRRVMGNKMLKSNNVIGSC	2218.6	11.01	0	4	0	68
PVKMRRQQGYKRHILVPGSC	2353.8	11.01	0	5	1490	68
PWGVVRKMYIRMLRTPKIGSC	2392.9	11.01	0	5	6990	73
QPRHKSPMWQVKWFPRGGSC	2412.8	11.01	0	4	11000	14.5
QQSIPRGQFAARFKQIKGSC	2250.6	11.01	0	4	0	49
RKPPPLVKQRFMRPYVGGSC	2316.8	11.01	0	5	1490	48.5
RPQFFVWKKAVVNIFRTGSC	2383.8	11.01	0	4	5500	68
RVSHVFSKILHKHWTRNGSC	2392.7	11.01	0	4	5500	68

VFAVTSKKLRWRNSTVWGSC	2325.7	11.01	0	4	11000	68
VMHPLKRRFKNRSKEGIGSC	2343.8	11.01	1	6	0	53.5
VPQGTRKSVFHVKRQQAGSC	2213.5	11.01	0	4	0	48.5
WKPIWHSFHKRRPQILNGSC	2490.9	11.01	0	4	11000	58.5
YKKMYFRRWQPTARLSRGSC	2534.9	11.01	0	6	8480	24.5
IGKNRMVHHQSYLNKRRGSC	2384.7	11.01	0	5	1490	53.5
KKTPRASSWSRMWTHGHGSC	2300.6	11.01	0	4	11000	5
KVRAKFPKDRPFTGSRGSC	2208.5	11.01	1	6	0	24.5
QWQGNAKNTIKRARQNFSC	2307.5	11.01	0	4	5500	29.5
SRRTKAPVGKTTHAILGSC	2096.4	11.01	0	4	0	83
TPVTMNRKNIKGHTRFGSC	2260.6	11.01	0	4	0	53.5
PFKPTHSWTTKQRWTRFGSC	2451.7	11.02	0	4	11000	0
PWHTAKPWRNVIRLSNKGSC	2350.7	11.02	0	4	11000	58.5
KRWWTKEKSGSSRLRKGSC	2337.6	11.08	1	7	11000	19.5
AKKNIRHVVRWHLPSIKGSC	2416.8	11.11	0	5	11000	78
ARWKKKSHFPGPGPHRGSC	2190.5	11.11	0	5	5500	5
HWHPRWHKHKFKHWRWHGSC	2774.1	11.11	0	5	22000	0
KWGWRLRFMNASTMPKKGSC	2384.8	11.11	0	5	11000	24.5
LRMVHPKLRGQKTSKISGSC	2226.6	11.11	0	5	0	73
NTVGQAKALTKVKRRVMGSC	2147.5	11.11	0	5	0	73
PFFRHWRKFHPWKHKPHGSC	2616	11.11	0	5	11000	0
PKWMGIRLSMQFRKMKAGSC	2355.9	11.11	0	5	5500	44
RPKPHRHWPKPFPHHHWGSC	2555.9	11.11	0	5	11000	0
VLWIKRVKKVMMHARQHGSC	2407.9	11.11	0	5	5500	87.5
WKPWFHPRKHHKWRHWHGSC	2734.1	11.11	0	5	22000	0
IMFNAVQRKWWRSKHVKGSC	2461.9	11.11	0	5	11000	53.5
PWPKTAFMMKIIRIVKRGSC	2362.9	11.11	0	5	5500	78
HPPKWFFHKKWFRHFHKGSC	2647.1	11.17	0	6	11000	0
KHKWWRWHKWHWWFRKHGSC	2903.3	11.17	0	6	33000	0
KPKFHKPRWWHHRKFHFGSC	2647.1	11.17	0	6	11000	0
KPWRHFHFPFKPKWWRKGSC	2646.1	11.17	0	6	16500	0
WPKWKKWFKPRWHHWWRGSC	2823.3	11.17	0	6	33000	0
WPWKHPKWRKWHFFKRFSGSC	2745.2	11.17	0	6	22000	0
ELGSKTWGKKKRRKKRGSC	2361.8	11.21	1	10	5500	19.5
HPWWWHHKKRRHHKHKKGSC	2697.1	11.22	0	7	16500	0
HRKPKFRHHHFKWKHWKGSC	2668.1	11.22	0	7	11000	0
KFPKPKFHWKKWRFRPGSC	2598.1	11.22	0	7	11000	0
KHFFKKHRHKWKHRFWWGSC	2767.2	11.22	0	7	16500	0
KHWHWHKRRKKHHRKFFWGSC	2757.2	11.22	0	7	16500	0
PHKKRHHHKKWKHWRFGSC	2707.1	11.23	0	7	16500	0
ARWKKKSHFHRGKKKMFGSC	2447.9	11.27	0	8	5500	5
FWKKKWRWFKWWWRKKWGSC	2944.5	11.27	0	8	38500	0
HKWHRKKFKHHRFKHHKGSC	2650.1	11.27	0	8	5500	0
RRRRSHHEHTQDRYRHHGSC	2611.8	11.33	2	6	1490	0
FPGDRRSGRAFPEVRWRGSC	2336.6	11.4	2	5	5500	19.5
RFVWNWPQRERRRTIEGSC	2517.8	11.4	2	5	5500	53.5
DVPDRHRRMVIRQVISRGSC	2380.7	11.4	2	5	0	82.5
YHISHRRPRIQGRVEFGSC	2454.8	11.42	1	5	1490	53.5
GLIRREAHTRSAIRMAGGSC	2142.4	11.52	1	4	0	73.5
HRQLRSILRNFGTDRMIGSC	2360.7	11.52	1	4	0	78
MNELLAMLVRRRVVRPGSC	2299.8	11.52	1	4	0	121.5
HIVHKMRRARDWHVVRQGSC	2471.8	11.54	1	5	5500	68

HRARHRRIFGLENKIMLGSC	2394.8	11.54	1	5	0	83
KTHMRQRWFRGRVEFISGSC	2481.8	11.54	1	5	5500	34
LMIKNELGFIRRHARHGSC	2394.8	11.54	1	5	0	83
QAHDRRARTIRFLKWGSGSC	2345.6	11.54	1	5	5500	49
QKRWLQLPRNLMWRRETGSC	2559	11.54	1	5	11000	58.5
RSRRRNMMYHGNFVPPTGSC	2366.7	11.54	0	4	1490	14.5
SGWKLFRITRARRDHAQGSC	2345.6	11.54	1	5	5500	49
TPRWSRYARFASIRHTFGSC	2399.7	11.54	0	4	6990	29.5
RTRRQRSYFASPMHNMHGSC	2422.7	11.54	0	4	1490	5
TVIRTRMPQWRDLHFRKGSC	2487.9	11.54	1	5	5500	53.5
FNYWIRQRITSQRTKNRGSC	2514.8	11.56	0	5	6990	39
RRIERFKKAFRFIGMFGSC	2463	11.56	1	6	0	63.5
RRRASQLKFRQNIYAQLGSC	2395.7	11.56	0	5	1490	68.5
RTSFMQKKRRELMRTFGSC	2475.9	11.56	1	6	0	39
TPMGSRTKYSHFRQGRRGSC	2312.6	11.56	0	5	1490	0
LGRMFAYRWRLKIKHRLGSC	2492	11.57	0	6	6990	83
SIADIHKRKFRVRRKHIGSC	2407.8	11.57	1	7	0	78
TMKYHRNRRPKATKWPRGSC	2473.9	11.58	0	7	6990	5
AFRRATQIHHRNTTPAQGSC	2252.5	11.7	0	3	0	34.5
ARWSHFHRGMFIRPGSNGSC	2303.6	11.7	0	3	5500	24.5
FIQTGNRRRVFQWGTNGGSC	2284.5	11.7	0	3	5500	34
FRVQPRGSFPRQWFHSPGSC	2376.6	11.7	0	3	5500	14.5
HQPLRLNVAVNRAPTRNGSC	2203.5	11.7	0	3	0	78
LLRVLLFRVAFLLVIVRGSC	2287.9	11.7	0	3	0	199.5
SHRRQAVRWFTLWLFSFGSC	2484.8	11.7	0	3	11000	58.5
SWQFLFRFNNLHRWGHARGSC	2548.8	11.7	0	3	11000	39
VPFTVRMFFATRTRAQQGSC	2303.6	11.7	0	3	0	39
VWVMRARRMMTWMFMVQGSC	2507.1	11.7	0	3	11000	48.5
WVRTFSTRTIHHLIRLVGSC	2382.8	11.7	0	3	5500	107
IHQRLAMFIIGMSLRTRGSC	2290.7	11.7	0	3	0	102.5
NLFQLPRLTSTWMGRRTGSC	2324.7	11.7	0	3	5500	58.5
PIMQWQPNTIRQPRRVNGSC	2381.7	11.7	0	3	5500	53.5
PVRVLWRGQRFIPIGINGSC	2268.7	11.7	0	3	5500	107
AKLALGTALRRTATGRTGSC	2004.3	11.71	0	4	0	78.5
ARWSHFHRGMFIRGSNKGSC	2334.6	11.71	0	4	5500	24.5
FHSLRPKIPRHRWPSWMGSC	2478.9	11.71	0	4	11000	39
HHPRHWWWKRWHPPFRFFGSC	2791.2	11.71	0	4	22000	0
LRFGIWRHLKISRSGSHGSC	2297.6	11.71	0	4	5500	78
PMLFWKWHRQLNQQGRRGSC	2528.9	11.71	0	4	11000	39
QMRLRAIPSAMSPKPRAGSC	2157.6	11.71	0	4	0	54
RASHHTHRLAAPFHRKVGSC	2268.5	11.71	0	4	0	49
RHWKWHWWRRHHPHHWFGSC	2860.2	11.71	0	4	27500	0
RLHWGVMMILKIGMRRWGSC	2431	11.71	0	4	11000	92.5
RQAAWRSVRKLLMIWWPGSC	2444.9	11.71	0	4	16500	83
SKWRQIMRTTQSSAWFRGSC	2416.7	11.71	0	4	11000	24.5
WHHPRWRWRFKWFWWWHGSC	2968.4	11.71	0	4	38500	0
FRSIHPLSRNMVNVGKRGSC	2258.6	11.71	0	4	0	68
MITPRKIFIFRWVQIRGSC	2538.1	11.71	0	4	11000	92.5
FHWRHHRRHHFWKWKFGSC	2823.2	11.72	0	5	16500	0
GRRFIKMGHWIIWRKSPGSC	2415.9	11.72	0	5	11000	58.5
HFHHWKWKHHHHRRHRRFGSC	2754.1	11.72	0	5	11000	0
HRFKWHWKHRFHHFHRFGSC	2774.1	11.72	0	5	11000	0

KRVALSAKRRVLTTLTLAGSC	2131.5	11.72	0	5	0	102.5
MKSGTSTRWNTKRRMHHGSC	2361.7	11.72	0	5	5500	0
PRGNLRVIFKKRQPSWHGSC	2366.7	11.72	0	5	5500	53.5
RFKFWRFPFRFHWHKPGSC	2704.1	11.72	0	5	11000	0
VVQRHSSRTHGVKRNKTGSC	2237.5	11.72	0	5	0	43.5
AHKRRLASHMKIVKTNRGSC	2293.7	11.74	0	6	0	63.5
FHRHFKRPFKKWRHWWPGSC	2724.2	11.74	0	6	16500	0
FWKHKRRRKFHWHWFWPGSC	2764.2	11.74	0	6	16500	0
HKHPWPHPPRHKKWRRPGSC	2524.9	11.74	0	6	11000	0
KFFRWFKHWHKRWFPRGSC	2774.2	11.74	0	6	16500	0
KKRLQTRQPINKHAQRHGSC	2386.7	11.74	0	6	0	44
PWRFRKFPKWRHHWWHKGSC	2763.2	11.74	0	6	22000	0
VRKTWRRMKHANPIIKVGSC	2380.9	11.74	0	6	5500	73
WHHKWRFWKHFRHHRHFGSC	2804.2	11.74	0	6	16500	0
WWFWHWFWRKWRKPRKWGSC	2950.4	11.74	0	6	38500	0
QRSVAKFQKHFNTIRKGSC	2391.7	11.74	0	6	0	39
HRKWHWPWKWPWKRWGSC	2832.3	11.75	0	7	33000	0
HWKRHHRPKHKKHHRKHGSC	2627	11.75	0	7	5500	0
KFRRHHRHKKHKFKHHGSC	2598	11.75	0	7	0	0
KHPFWHPHRRHKKRWFGSC	2656.1	11.75	0	7	11000	0
KKPWRWKFRWPRWHFWKGSC	2803.3	11.75	0	7	27500	0
TTHRKVRKQKRVKHTPFGSC	2394.8	11.75	0	7	0	29
WFWKHKKWRRHPRKWHWGSC	2833.3	11.75	0	7	27500	0
WKFRHRHHRHHWHKKWKGSC	2775.2	11.75	0	7	16500	0
WKRRFKKWHWWHKRFWHGSC	2883.3	11.75	0	7	27500	0
WKWKRHWKWPHRRKHFFGSC	2794.2	11.75	0	7	22000	0
WTRLKFPSNKKGRMRAKGSC	2351.8	11.75	0	7	5500	24.5
HFRKWHKRRWKHHKKWKGSC	2757.2	11.76	0	9	16500	0
HKHRHKRKKFKFRPHFKGSC	2590.1	11.76	0	9	0	0
HKRHKKHFKFFRWHRKWGSC	2737.2	11.76	0	8	11000	0
HWKRRHKHKWPKRHPHKGSC	2627	11.76	0	8	11000	0
KFPWRRFFKKPKHKKRGSC	2599.1	11.76	0	9	5500	0
KFRKRKPHWHWWKRKFWGSC	2785.3	11.76	0	8	22000	0
KWKHHKKFRKRKRHWFHGSC	2718.2	11.76	0	9	11000	0
PWWKWRKRKHPKKHHRKGSC	2667.1	11.76	0	9	16500	0
RKFKKRRHWHFPPKFWGSC	2657.1	11.76	0	8	11000	0
RKHKKPHKRWKWWPGSC	2667.1	11.76	0	9	16500	0
RKRWKFHPKPFRHHHKKGSC	2598	11.76	0	8	5500	0
RWFPKKHHHRWRKWWKKGSC	2775.2	11.76	0	8	22000	0
WKKKRKHHRHKKHWPWRGSC	2707.2	11.76	0	9	16500	0
WRFKHFRWKRFKHHHKKGSC	2737.2	11.76	0	8	11000	0
HKKWKRKHKRKHFRPKGSC	2610.1	11.77	0	10	5500	0
RLMRFQMQRDTGFLRRMGSC	2489.9	11.82	1	5	0	39
GFGAARRRSKAMTHGRSGSC	2093.3	12	0	5	0	15
HRMMWMFPRAHKGRNPRGSC	2455.9	12	0	5	5500	5
LANPTMHSSRFRRWPNRGSC	2373.7	12	0	4	5500	24.5
RMFNRITRAMEGQHQRILGSC	2375.8	12	0	4	0	63.5
FWKPWKWRRRRHWHFPGSC	2782.2	12.01	0	7	22000	0
HHFKHHRHWKRRRHWFPGSC	2822.2	12.01	0	6	16500	0
HHHHKRKHFWRPRHPRKGSC	2625	12.01	0	7	5500	0
HKHWRRKPRHHRHWWHGGSC	2811.2	12.01	0	6	22000	0
HKPWHRPRKRRFHKPFFGSC	2605	12.01	0	7	5500	0

HRWKFPWKWWFRRWWRKWSC	2920.4	12.01	0	7	33000	0
KFWHHKWWHWFKWRRRRGSC	2911.4	12.01	0	7	27500	0
KFWKFWHKHRHRHRWHRGSC	2813.2	12.01	0	7	16500	0
KRRWRFPFHHHKWRWHFGSC	2792.2	12.01	0	6	16500	0
RHTIKTILRKIRRHNSGSC	2390.8	12.01	0	6	0	78
SNNHRRIKRLITKITHRGSC	2390.8	12.01	0	6	0	78
VGLPAIGNRRRKFKRIIGSC	2241.7	12.01	0	6	0	97.5
WHWHHWKHKKRRHHWRRGSC	2842.2	12.01	0	7	22000	0
WWRWFRHWKRWKRWKHKHFGSC	2969.4	12.01	0	6	33000	0
FHKKRHFKRRHKFWWWRGSC	2814.3	12.02	0	8	16500	0
HKRRKHKKHKRRKKWHFGSC	2678.1	12.02	0	10	5500	0
HRRHKHPFRKPKHHKKRGSC	2558	12.02	0	9	0	0
HRWWFKKKHRFRWWKRWGSC	2902.4	12.02	0	8	27500	0
KHKRWKWWRFHWRWKWGSC	2902.4	12.02	0	8	27500	0
KRWHPWRWKWRRHKWHKGSC	2842.3	12.02	0	8	27500	0
RHWRKPRKWHKKWPPHRGSC	2664.1	12.02	0	8	16500	0
RWHHWWRKRPFWKWKKGSC	2852.3	12.02	0	8	27500	0
WHRKFFRWRFRHKKHKGSC	2765.2	12.02	0	8	11000	0
WWRRKKWHKHKRKHPRFGSC	2745.2	12.02	0	9	16500	0
HRKHWRKRHKKHKKRKKGSC	2708.2	12.03	0	11	11000	0
KKRKKWKKHFRKHKRWRGSC	2709.3	12.03	0	12	11000	0
KRSNKRRDRRRKRNHTQGSC	2539.8	12.13	1	10	0	0
KPRRHWKHFRWHRWHRKGSC	2782.2	12.18	0	8	16500	0
KRRFHFFHPKFRRRHKFGSC	2665.1	12.18	0	8	0	0
RFHRPWRPKWWFRRFFHGSC	2790.2	12.18	0	6	16500	0
RFHWKHRRKWKHHHPRRGSC	2733.1	12.18	0	8	11000	0
RFKWRRHFHKKRHWPFRHGSC	2712.1	12.18	0	7	11000	0
RHWRPKFRKFRWWRWHHGSC	2850.3	12.18	0	7	22000	0
RMAVSGRSKPHRMIRGRGSC	2242.6	12.18	0	6	0	39
RRFRPPWHKHKKPHWRHGSC	2751.1	12.18	0	7	16500	0
RRHWWHFWKFFKRWHRRGSC	2900.3	12.18	0	7	22000	0
RSRINPIFNHRHLKRPRGSC	2444.8	12.18	0	6	0	58.5
WKRPWHRWHPKRRKWRHGSC	2781.2	12.18	0	8	22000	0
WPPFWHHRRRKFRHHHGSC	2721.1	12.18	0	6	11000	0
WRWWFKRWRFRRKWHWFGSC	2998.5	12.18	0	7	33000	0
WRWWHWHWKRRWPHRHRGSC	2937.3	12.18	0	6	33000	0
WSRRLRSSGGSTTRRLKGSC	2251.5	12.18	0	6	5500	39
WWWFWFRFRPHHRKRFFGSC	2879.3	12.18	0	6	22000	0
HRKRPKRHHKRHWPRWKGSC	2674.1	12.19	0	9	11000	0
HRPRKKFHKFPRKWRRHGSC	2645.1	12.19	0	9	5500	0
KRKHHHKRRRWKKRHFKGSC	2697.2	12.19	0	11	5500	0
KRRHKKKHHRHRFRWWGSC	2764.2	12.19	0	9	11000	0
RKWFRKKKHRRWHFHRGSC	2774.2	12.19	0	9	11000	0
RRKHWFKKRKWRFWWRWGSC	2921.4	12.19	0	9	27500	0
RRWHFRRWPKRWKWKHGSC	2822.3	12.19	0	9	22000	0
RRWFWWRWHWWRHRRKFGSC	3016.5	12.3	0	7	33000	0
WRHWRRRKHFWWKRRWHGSC	2948.4	12.3	0	8	27500	0
WRKWRHRFRRWWHFFKFGSC	2880.3	12.3	0	8	16500	0
HHWWRKRRRKRRKHWWKGSC	2822.3	12.31	0	10	16500	0
HRFRFWKRWRKRRWFHKGSC	2861.3	12.31	0	9	16500	0
KKKRRRHFKRRFKRWKKGSC	2726.3	12.31	0	12	5500	0
RHWRRPKRWRWKWKKHGSC	2782.2	12.31	0	10	16500	0

RKRKWHHPWHWRRKRRWGSC	2840.3	12.31	0	9	22000	0
RWHRRWRRKHKKKKFWRGSC	2823.3	12.31	0	11	16500	0
RWRRHKHFKRPHRKHKRGSC	2694.1	12.31	0	10	5500	0
KRRPKRHPKRRHKRHWRGSC	2663.1	12.4	0	11	5500	0
RFFFHKWRRWRRRKPPRGSC	2760.2	12.4	0	9	11000	0
RKHKRHRHKRKHRRHRGSC	2694.1	12.4	0	11	0	0
RRRHRRHRFRRFKKKPKGSC	2674.1	12.4	0	11	0	0
RRWWRKRFWHRWHRRKGSC	2918.4	12.4	0	9	22000	0
WHHWRRHKKRPRRRKRHGSC	2761.2	12.4	0	10	11000	0
KFKRHFKRWRKRRKRRKGSC	2745.3	12.41	0	13	5500	0
KRWHRKRRHRHKRRHRHGSC	2771.2	12.48	0	11	5500	0
PKRKRRPRRKWRHPKRGSC	2642.1	12.48	0	12	5500	0
RRFRHWWRWRKRRRKWRGSC	2956.4	12.55	0	11	22000	0