

Sequence (NNK HT screen peptides)	Calculated mass					Found mass
	[M+H]/1	[M+2H]/2	[M+3H]/3	[M+4H]/4	[M+5H]/5	
ZMCWFMPLELVLCGSGSDYKDDDDK	3009.4	1505.2	1003.8	753.1	602.7	1004.1
ZMCFWRFFPALLACGSGSDYKDDDDK	2928.3	1464.7	976.8	732.8	586.5	976.7
ZMCIKMFLAHKRF CGSGSDYKDDDDK	2951.4	1476.2	984.5	738.6	591.1	984.2
ZMCDAHRLLELICGSGSDYKDDDDK	2887.2	1444.1	963.1	722.5	578.2	962.9
ZMCDCHPLLCFLLCGSGSDYKDDDDK	2834.2	1417.6	945.4	709.3	567.6	945.2
ZMCSCFPPLCFLICGSGSDYKDDDDK	2800.2	1400.6	934.1	700.8	560.8	131.4
ZMCDCLHVVCFLVCGSGSDYKDDDDK	2808.2	1404.6	936.7	702.8	562.4	200.1
ZMCHCFPTICWLVCGSGSDYKDDDDK	2879.2	1440.1	960.4	720.6	576.6	960.4
ZMMVKCWLAYIRTCGSGSDYKDDDDK	2941.3	1471.2	981.1	736.1	589.1	980.6
ZMCVKMWLAYIRTCGSGSDYKDDDDK	2941.3	1471.2	981.1	736.1	589.1	122.9
ZMCVKCWLAYIRTMGSGSDYKDDDDK	2941.3	1471.2	981.1	736.1	589.1	112.8
ZMCSHMWLFKVLVLCGSGSDYKDDDDK	2934.4	1467.7	978.8	734.3	587.7	130.3
ZMMSHCWLFKVLVLCGSGSDYKDDDDK	2934.4	1467.7	978.8	734.3	587.7	129.1
ZMCSHCWLFKVLVLMGSGSDYKDDDDK	2934.4	1467.7	978.8	734.3	587.7	113.1
ZMCHCFPTICWLECGSGSDYKDDDDK	2909.2	1455.1	970.4	728.1	582.6	969.6
ZMCIYRLSDFWVVCGSGSDYKDDDDK	2958.3	1479.6	986.8	740.3	592.5	986.9
ZMCRDFWHLWFRVCGSGSDYKDDDDK	3122.4	1561.7	1041.5	781.4	625.3	1041.2
ZMCDVLLYKLFRCGSGSDYKDDDDK	2990.3	1495.7	997.4	748.3	598.9	997.3
ZMCDVLVYKVLWACGSGSDYKDDDDK	2866.2	1433.6	956.1	717.3	574.0	956.3
ZMCFWPIWYKFMACGSGSDYKDDDDK	3049.4	1525.2	1017.1	763.1	610.7	131.0
ZMCFVTLYKLLKCGSGSDYKDDDDK	2948.3	1474.7	983.4	737.8	590.5	983.6
ZMCERFVTYKLLFCGSGSDYKDDDDK	3026.3	1513.7	1009.4	757.3	606.1	1009.4
ZMCAPKWLKIVLSCGSGSDYKDDDDK	2815.2	1408.1	939.1	704.6	563.8	938.7
ZMCPKWLKIVLLNCGSGSDYKDDDDK	2884.3	1442.7	962.1	721.8	577.7	962.0
ZMCNIIYKIMKNRCGSGSDYKDDDDK	3066.5	1533.8	1022.8	767.4	614.1	1022.9
ZMCLVSIYKIMRTCGSGSDYKDDDDK	2884.3	1442.6	962.1	721.8	577.7	962.2
ZMCSITIKLLRFCGSGSDYKDDDDK	2914.3	1457.6	972.1	729.3	583.7	972.6
ZMCEPWITIKVLLKCGSGSDYKDDDDK	3178.6	1589.8	1060.2	795.4	636.5	1059.8
ZMCHITIKILRSCGSGSDYKDDDDK	2904.3	1452.6	968.8	726.8	581.7	968.4
ZMCQFTYSKFFCGSGSDYKDDDDK	2875.1	1438.1	959.0	719.5	575.8	958.6
ZMCPVIIYKILSHCGSGSDYKDDDDK	2843.2	1422.1	948.4	711.6	569.4	948.4
ZMCFALLYKILRCGSGSDYKDDDDK	2884.3	1442.6	962.1	721.8	577.7	114.1
ZMCYKLFLLWKQWCGSGSDYKDDDDK	3085.5	1543.2	1029.2	772.1	617.9	131.1
ZMCPKWLKWLFLACGSGSDYKDDDDK	2962.4	1481.7	988.1	741.3	593.3	988.5
ZMCVKYFTLWKNWCGSGSDYKDDDDK	3045.4	1523.2	1015.8	762.1	609.9	1016.4
ZMCSCFPPLCELMCGSGSDYKDDDDK	2800.2	1400.6	934.1	700.8	560.8	875.4
ZMCSILLYKVLSCGSGSDYKDDDDK	2824.2	1412.6	942.1	706.8	565.6	941.9
ZMCIYRLSDFWAVCGSGSDYKDDDDK	2930.2	1465.6	977.4	733.3	586.8	977.1
ZMCYKLFLLWKQCGSGSDYKDDDDK	2899.3	1450.1	967.1	725.6	580.7	200.1
ZMCGVLLYKVMRVCGSGSDYKDDDDK	2838.3	1419.6	946.8	710.3	568.5	946.6
ZMCYLRFVAVFCGSGSDYKDDDDK	2739.0	1370.0	913.7	685.5	548.6	914.5
ZMCIAIYKLMKMHCGSGSDYKDDDDK	2908.4	1454.7	970.1	727.8	582.5	1163.8
ZMCNIIYKIMKNRCGSGSDYKDDDDK	3066.5	1533.8	1022.8	767.4	614.1	1023.1
ZMCNIIIRCGSGSDYKDDDDK	2288.5	1144.8	763.5	572.9	458.5	763.3
ZMCNIIYKILSVCGSGSDYKDDDDK	2836.2	1418.6	946.1	709.8	568.0	945.9
ZMCNVTIWKVLRRLCGSGSDYKDDDDK	2902.3	1451.6	968.1	726.3	581.3	967.6
ZMCVWPKWLTKLICGSGSDYKDDDDK	2944.4	1472.7	982.1	736.8	589.7	982.2
ZMCPKYFLLWRLMTCGSGSDYKDDDDK	3128.6	1564.8	1043.5	782.9	626.5	1043.7
ZMCPRWIYYMYMLHCGSGSDYKDDDDK	3102.5	1551.7	1034.8	776.4	621.3	1034.5
ZMCDWPRWLVKVVCGSGSDYKDDDDK	2958.3	1479.7	986.8	740.3	592.5	986.2
ZMCPRYFYWHYLLCGSGSDYKDDDDK	3118.4	1559.7	1040.1	780.4	624.5	1040.2
ZMCQFRFSKFWLSCGSGSDYKDDDDK	3006.3	1503.7	1002.8	752.3	602.1	1003.1
ZMCIYRLSDFWVECGSGSDYKDDDDK	2988.2	1494.6	996.7	747.8	598.4	996.8
ZMCHYISDWLVCGSGSDYKDDDDK	2593.8	1297.4	865.3	649.2	519.6	864.9
ZMCGHFSITWFKWCGSGSDYKDDDDK	2969.2	1485.1	990.4	743.1	594.6	990.4
ZMCFVFTGMSIWCIGSGSDYKDDDDK	2900.2	1450.6	967.4	725.8	580.8	200.2
ZMCHITIKILRYCGSGSDYKDDDDK	2980.3	1490.7	994.1	745.8	596.9	993.6
ZMCWVKYWTYKQCGSGSDYKDDDDK	3061.4	1531.2	1021.1	766.1	613.1	1020.9
ZMCHCFPIVCWFECGSGSDYKDDDDK	2941.3	1471.1	981.1	736.1	589.1	980.1
ZMCDCVWPLCWMTCGSGSDYKDDDDK	2914.3	1457.6	972.1	729.3	583.7	131.3
ZMCVTWYKVTKLRCGSGSDYKDDDDK	2954.3	1477.6	985.4	739.3	591.7	985.4
ZMCIKTFLLWRS SCGSGSDYKDDDDK	2911.3	1456.1	971.1	728.6	583.1	971.2
ZMCHVILWRSWRYCGSGSDYKDDDDK	3076.4	1538.7	1026.1	769.9	616.1	1026.2
ZMCPVLIYKLWRTCIGSGSDYKDDDDK	2949.3	1475.2	983.8	738.1	590.7	1179.4
ZMCIHRLSDFWVVCGSGSDYKDDDDK	2932.2	1466.6	978.1	733.8	587.2	978.1
ZMCYKLFLLWKQRCGSGSDYKDDDDK	3055.5	1528.2	1019.2	764.6	611.9	1019.2
ZMCSILLYKVLSCGSGSDYKDDDDK	2852.2	1426.6	951.4	713.8	571.2	951.5
ZMCLISYKVLKHCIGSGSDYKDDDDK	2874.3	1437.6	958.8	719.3	575.7	958.6

ZMCWITLYKVLHACGSGSDYKDDDDK	2904.2	1452.6	968.7	726.8	581.6	969.2
ZMCILLYKVLRRGCGSGSDYKDDDDK	2891.3	1446.2	964.4	723.6	579.1	964.5
ZMCFASLWYRVQCGSGSDYKDDDDK	2933.2	1467.1	978.4	734.1	587.4	159.0
ZMCHLAYLAFRSCGSGSDYKDDDDK	2901.2	1451.1	967.7	726.0	581.0	967.9
ZMCVAFYRAFMA SCGSGSDYKDDDDK	2823.1	1412.1	941.7	706.5	565.4	942.1
ZMCVSYRAYFAHCGSGSDYKDDDDK	2937.2	1469.1	979.7	735.0	588.2	979.7
ZMCKKHLLYLIA CGSGSDYKDDDDK	2922.3	1461.7	974.8	731.3	585.3	975.2
ZMCLAYLAFHSLCGSGSDYKDDDDK	2858.1	1429.6	953.4	715.3	572.4	1143.5
ZMCRELLYYLLQR CGSGSDYKDDDDK	3027.4	1514.2	1009.8	757.6	606.3	1211.2
ZMCVKYYLIMKSLCGSGSDYKDDDDK	2918.3	1459.7	973.4	730.3	584.5	973.2
ZMCSTRFVNLFWL CGSGSDYKDDDDK	2943.3	1472.1	981.8	736.6	589.5	981.7
ZMCVPCFSHTFLC CGSGSDYKDDDDK	2814.1	1407.6	938.7	704.3	563.6	938.1
ZMCWYCFRKSFWC CGSGSDYKDDDDK	3086.4	1543.7	1029.5	772.4	618.1	1029.0
ZMCYRFPSSHFWACGSGSDYKDDDDK	3071.4	1536.2	1024.5	768.6	615.1	1024.5
ZMCIRWPARQSLFWL CGSGSDYKDDDDK	3233.6	1617.3	1078.5	809.2	647.5	1078.8
ZMCFRWRLFHHLTPYCGSGSDYKDDDDK	3333.7	1667.4	1111.9	834.2	667.5	1111.6
ZMCSNMWKLANRW WACGSGSDYKDDDDK	3223.6	1612.3	1075.2	806.6	645.5	1074.9
ZMCPERLFYVLLVCGSGSDYKDDDDK	2996.4	1498.7	999.5	749.8	600.1	999.0
ZMCWPILWKVLSACGSGSDYKDDDDK	2873.2	1437.1	958.4	719.1	575.4	958.2
ZMCIFDLFLPFIFCGSGSDYKDDDDK	2932.3	1466.7	978.1	733.8	587.3	977.7
ZMCHYCFNKFLFLC CGSGSDYKDDDDK	2948.3	1474.7	983.4	737.8	590.5	982.4
ZMCQQWNLYTRHW HSCGSGSDYKDDDDK	3316.5	1658.8	1106.2	829.9	664.1	1105.9
ZMCHPTRLHLWLCCNCGSGSDYKDDDDK	3153.5	1577.3	1051.8	789.1	631.5	1051.7
ZMCFKHPWFFAWL CGSGSDYKDDDDK	3039.4	1520.2	1013.8	760.6	608.7	1013.9
MCSNMWKLANRW WACGSGSDYKDDDDK	3181.5	1591.3	1061.2	796.1	637.1	1061.1
MCIRWPARQSLFWL CGSGSDYKDDDDK	3191.6	1596.3	1064.5	798.6	639.1	1064.4
MCLFDLHLPFIFCGSGSDYKDDDDK	2880.3	1440.6	960.8	720.8	576.9	960.9
MCIFDNWLPFIYCGSGSDYKDDDDK	2946.3	1473.6	982.8	737.3	590.1	982.8
MCYFDPHFIFPCGSGSDYKDDDDK	2914.2	1457.6	972.1	729.3	583.6	972.4
MCFFCFDRFLCCGSGSDYKDDDDK	2929.3	1465.2	977.1	733.1	586.7	1244.7
MCVDFSFLPFIICGSGSDYKDDDDK	2816.2	1408.6	939.4	704.8	564.0	939.5
MCFYCFDSLFLCCGSGSDYKDDDDK	2876.2	1438.6	959.4	719.8	576.0	958.5
MCVFDWLPFVYCGSGSDYKDDDDK	2891.2	1446.1	964.4	723.5	579.0	964.3
MCIFDTHMPFIPCGSGSDYKDDDDK	2836.2	1418.6	946.1	709.8	568.0	945.8
MCIFDTLFPFIFCGSGSDYKDDDDK	2878.2	1439.6	960.1	720.3	576.4	960.0
MCFVCFRHSFWCCGSGSDYKDDDDK	2950.3	1475.6	984.1	738.3	590.9	113.2
MCCYNLFSLFWACGSGSDYKDDDDK	2882.2	1441.6	961.4	721.3	577.2	240.5
MCIRWPARQSLFWICGSGSDYKDDDDK	3191.6	1596.3	1064.5	798.6	639.1	1064.4
MCRLCFSKLFWYCGSGSDYKDDDDK	2981.4	1491.2	994.5	746.1	597.1	239.2
MCLLWTRHFDRYWVCGSGSDYKDDDDK	3310.7	1655.8	1104.2	828.4	662.9	1104.3
MCFRWRLFHHLTPYCGSGSDYKDDDDK	3291.7	1646.3	1097.9	823.7	659.1	1097.9
MCIFDIHMPFIFPCGSGSDYKDDDDK	2848.2	1424.6	950.1	712.8	570.4	950.0
MCYRHPHSNPLFWACGSGSDYKDDDDK	3143.4	1572.2	1048.5	786.6	629.5	1048.4
MCIGKWYTYQWTRCGSGSDYKDDDDK	3283.6	1642.3	1095.2	821.6	657.5	1095.4
MCYKWPIRSHLYWLCGSGSDYKDDDDK	3280.7	1640.8	1094.2	820.9	656.9	1094.3
MCYRSLDFWVVCGSGSDYKDDDDK	2916.2	1458.6	972.7	729.8	584.0	1247.6
MCHPTRLHLWLCCNCGSGSDYKDDDDK	3111.5	1556.2	1037.8	778.6	623.1	113.2
MCHYCFNKFLFLCCGSGSDYKDDDDK	2906.3	1453.6	969.4	727.3	582.1	138.8
MCVRWPNLNAFWLWCGSGSDYKDDDDK	3147.5	1574.3	1049.8	787.6	630.3	1163.1
MCQQWNLYTRHW HSCGSGSDYKDDDDK	3274.5	1637.7	1092.2	819.4	655.7	1092.1
MCIFDNWLPFIFCGSGSDYKDDDDK	2930.3	1465.6	977.4	733.3	586.9	977.4
MCVDFSFLPFVLCGSGSDYKDDDDK	2802.1	1401.6	934.7	701.3	561.2	934.8
MCTKFPWPLPIFWACGSGSDYKDDDDK	3121.5	1561.3	1041.2	781.1	625.1	1041.3
MCIRWPARQPLFWLWCGSGSDYKDDDDK	3201.6	1601.3	1067.9	801.2	641.1	1067.9
MCQQWNLYTRHW HICGSGSDYKDDDDK	3300.6	1650.8	1100.9	825.9	660.9	1100.7
MCCFKFRDLFWVCGSGSDYKDDDDK	2979.4	1490.2	993.8	745.6	596.7	102.3
MCFVCFRHSFLCCGSGSDYKDDDDK	2877.2	1439.1	959.7	720.1	576.2	113.1
MCWYCFRKSFWCCGSGSDYKDDDDK	3044.4	1522.7	1015.5	761.8	609.7	113.1
MCFVYPRRQPLYWICGSGSDYKDDDDK	3256.7	1628.8	1086.2	814.9	652.1	1086.5
MCLFDFSFPFIFCGSGSDYKDDDDK	2850.2	1425.6	950.7	713.3	570.8	950.9
MCYVCFSHSFICCGSGSDYKDDDDK	2824.1	1412.6	942.0	706.8	565.6	157.5
MCVPCFSHTFLCCGSGSDYKDDDDK	2772.1	1386.5	924.7	693.8	555.2	924.1
MCRLCFSKLFWCCGSGSDYKDDDDK	2921.3	1461.2	974.4	731.1	585.1	990.6
MCCYRCWSLFWCCGSGSDYKDDDDK	2985.3	1493.2	995.8	747.1	597.9	1040.8
MCVFDWLPFVFCGSGSDYKDDDDK	2875.2	1438.1	959.1	719.5	575.8	959.2
MCSQSWVLYELWRVCGSGSDYKDDDDK	3184.5	1592.7	1062.2	796.9	637.7	1063.1
MCSYCFNKFLFLCCGSGSDYKDDDDK	2856.2	1428.6	952.7	714.8	572.0	954.0
MCTFDLFLPFIFCGSGSDYKDDDDK	2878.2	1439.6	960.1	720.3	576.4	960.0
MCTFDTHFPFITCGSGSDYKDDDDK	2844.1	1422.5	948.7	711.8	569.6	948.9
MCTKFPWPFIFWACGSGSDYKDDDDK	3155.6	1578.3	1052.5	789.6	631.9	1052.4

MCFRWRLFHHLTPFCGSGSDYKDDDDK	3275.7	1638.3	1092.6	819.7	655.9	1092.7
MCCTRFVNLFWLCSGSGDYKDDDDK	2917.3	1459.1	973.1	730.1	584.3	129.4
MCVYDIFVPFICGSGSDYKDDDDK	2844.2	1422.6	948.7	711.8	569.6	948.7
MCVYDLFLPFYICGSGSDYKDDDDK	2908.2	1454.6	970.1	727.8	582.4	969.9
MCIWDSFVFPILCGSGSDYKDDDDK	2855.2	1428.1	952.4	714.5	571.8	952.4
MCWSLYRLFACGSGSDYKDDDDK	2860.2	1430.6	954.1	715.8	572.8	113.2
MCLYDSFLPFIFCGSGSDYKDDDDK	2880.2	1440.6	960.7	720.8	576.8	960.9
MCTRTSFYGFWYACGSGSDYKDDDDK	3180.4	1590.7	1060.8	795.9	636.9	239.2
MCSYGSWYGYSLACGSGSDYKDDDDK	3035.2	1518.1	1012.4	759.5	607.8	1012.4
MCILHGLIYWAPKQCGSGSDYKDDDDK	3057.4	1529.2	1019.8	765.1	612.3	1020.1
MCIFDIHMPFIPCGSGSDYKDDDDK	2848.2	1424.6	950.1	712.8	570.4	950.7
MCRLCFSKLFWCCGSGSDYKDDDDK	2921.3	1461.2	974.4	731.1	585.1	990.5
MCFVYPRRQPLYWICGSGSDYKDDDDK	3256.7	1628.8	1086.2	814.9	652.1	1086.0
MCFRWRLFHHLTPYCGSGSDYKDDDDK	3291.7	1646.3	1097.9	823.7	659.1	1097.9
MCIFDTFLPFIFCGSGSDYKDDDDK	2878.2	1439.6	960.1	720.3	576.4	960.4
MCIYRLSDFWVVCGSGSDYKDDDDK	2916.2	1458.6	972.7	729.8	584.0	1011.0
MCTFDLFLPFIFCGSGSDYKDDDDK	2878.2	1439.6	960.1	720.3	576.4	959.9
MCYVCFSHSFICCGSGSDYKDDDDK	2824.1	1412.6	942.0	706.8	565.6	131.4
MCSNMWKLNRWWACGSGSDYKDDDDK	3181.5	1591.3	1061.2	796.1	637.1	1061.3
MCIFDNWLPFIYCGSGSDYKDDDDK	2946.3	1473.6	982.8	737.3	590.1	982.7
MCTRTSFYGFWYACGSGSDYKDDDDK	3180.4	1590.7	1060.8	795.9	636.9	239.2
MCYRHPHSNPLFWACGSGSDYKDDDDK	3143.4	1572.2	1048.5	786.6	629.5	1048.2
MCFRWRLFHHLTPYCGSGSDYKDDDDK	3291.7	1646.3	1097.9	823.7	659.1	1097.9
MCTKFPWPFPFIWACGSGSDYKDDDDK	3155.6	1578.3	1052.5	789.6	631.9	1052.7
MCFVCFRHSFLCCGSGSDYKDDDDK	2877.2	1439.1	959.7	720.1	576.2	113.2
MCFVCFRHSFLCCGSGSDYKDDDDK	2877.2	1439.1	959.7	720.1	576.2	113.1
MCLLWTRHFDRYWVCGSGSDYKDDDDK	3310.7	1655.8	1104.2	828.4	662.9	1104.4
MCIGKWYTYQWTRCGSGSDYKDDDDK	3283.6	1642.3	1095.2	821.6	657.5	1094.9
MCVPCFSHTFLCCGSGSDYKDDDDK	2772.1	1386.5	924.7	693.8	555.2	924.2
MCIRWPARQPLFWLCCGSGSDYKDDDDK	3201.6	1601.3	1067.9	801.2	641.1	1068.0
MCHPTRLHLWLCCGSGSDYKDDDDK	3111.5	1556.2	1037.8	778.6	623.1	113.1
MCYKCFGLFLCCGSGSDYKDDDDK	2813.2	1407.1	938.4	704.0	563.4	1011.0
MCHFRPNKFTAWLPCGSGSDYKDDDDK	3132.5	1566.7	1044.8	783.9	627.3	1045.0
MCWSLYRLFSGSGSDYKDDDDK	2501.8	1251.4	834.6	626.2	501.2	1132.5
MCSYGSWYGYSLACGSGSDYKDDDDK	3035.2	1518.1	1012.4	759.5	607.8	1012.2
MCCYNLFLFWCCGSGSDYKDDDDK	2914.2	1457.6	972.1	729.3	583.6	1164.4
MCIFELNLPFIPCGSGSDYKDDDDK	2821.2	1411.1	941.1	706.0	565.0	941.3
MCRFYELFWSFPCGSGSDYKDDDDK	3010.3	1505.7	1004.1	753.3	602.9	1074.4
ACSAKTTSACGSGSDYKDDDDK	2223.3	1112.1	741.8	556.6	445.5	741.8
ACSLNHTVNCGSGSDYKDDDDK	2342.4	1171.7	781.5	586.4	469.3	781.6
LPGRTCREYDLWWVRCYSGSDYKDDDDK	3594.9	1797.9	1199.0	899.5	719.8	1199.2
LEERPVGSGSDYKDDDDK	2025.1	1013.0	675.7	507.0	405.8	675.8
VYMSPFGSGSDYKDDDDK	2026.1	1013.6	676.0	507.3	406.0	676.2
LSPPRYPGSGSDYKDDDDK	2112.2	1056.6	704.7	528.8	423.2	704.9
MQLPLATGSGSDYKDDDDK	2056.2	1028.6	686.1	514.8	412.0	686.2
MCYKWPIRSHLYWLCGSGSDYKDDDDK	3280.7	1640.8	1094.2	820.9	656.9	1094.0

## Calculated mass

Sequence (T18 HT Screen peptides)	[M+H]/1	[M+2H]/2	[M+3H]/3	[M+4H]/4	[M+5H]/5	Found mass
ZMCREIRYWQLYRAFCSGSDYKDDDDK	3361.7	1681.3	1121.2	841.2	673.1	1121.0
ZMCEHLFYLLVVKRQCGSGSDYKDDDDK	3269.6	1635.3	1090.5	818.2	654.7	1090.5
ZMCKYKNIHGYVAYICGSGSDYKDDDDK	2979.3	1490.1	993.8	745.6	596.7	993.8
ZMCTTLYYKLVWRRCSGSEEGSGSDYKDDDDK	3770.0	1885.5	1257.3	943.3	754.8	943.4
ZMCYNYFLNKLVLVYCGSGSDYKDDDDK	3096.4	1548.7	1032.8	774.8	620.1	1032.9
ZMCKEYELWYKLYQYCGSGSDYKDDDDK	3336.6	1668.8	1112.9	834.9	668.1	1112.8
ZMCKHLYYLLWKKCGSGSEEGSGSDYKDDDDK	3762.1	1881.5	1254.7	941.3	753.2	941.1
ZMCKYHILWYKIQKLCGSGSEEGSGSDYKDDDDK	3840.2	1920.6	1280.7	960.8	768.8	961.2
ZMCKRHIRYWQLYVCGSGSEEGSGSDYKDDDDK	3769.1	1885.0	1257.0	943.0	754.6	943.2
ZMCNLSIIHGYVAYICGSGSDYKDDDDK	3023.3	1512.2	1008.4	756.6	605.5	1008.4
ZMCNVLKYVLRHCGSGSDYKDDDDK	2915.3	1458.1	972.4	729.6	583.9	972.6
ZMCYTVLWYKQKCGSGSEEGSGSDYKDDDDK	3727.0	1864.0	1243.0	932.5	746.2	1243.0
ZMCHIWFYNNQFHYVCGSGSDYKDDDDK	3328.6	1664.8	1110.2	832.9	666.5	1110.1
ZMCKRHLIYKIIARCSCGSDYKDDDDK	3121.5	1561.3	1041.2	781.1	625.1	1040.9
ZMCPHIFKIVYRHCSCGSEEGSGSDYKDDDDK	3664.0	1832.5	1222.0	916.7	733.6	1221.9
ZMCTGRHLYWKLFCGSGSEEGSGSDYKDDDDK	3828.1	1914.5	1276.7	957.8	766.4	958.0
ZMCHRHLIYWRFLHSCGSGSEEGSGSDYKDDDDK	3922.2	1961.6	1308.1	981.3	785.2	981.4
ZMCAKEHLFYLLWCGSGSDYKDDDDK	3143.5	1572.2	1048.5	786.6	629.5	1048.4
ZMCDISRAQYARWVICGSGSDYKDDDDK	3225.5	1613.3	1075.8	807.1	645.9	1076.0
ZMCEWFYHKSQWVYVCGSGSDYKDDDDK	3431.7	1716.3	1144.6	858.7	687.1	1144.5
ZMCPYHRHIFQNHWCYKCGSGSEEGSGSDYKDDDDK	3936.1	1968.6	1312.7	984.8	788.0	984.8
ZMCRWVFKQHEFWKVCGSGSDYKDDDDK	3428.8	1714.9	1143.6	857.9	686.6	1143.5
ZMCRWVWYKQLVHRKCGSGSDYKDDDDK	3336.7	1668.9	1112.9	834.9	668.1	1112.8
ZMCSILWYKITKPLCGSGSDYKDDDDK	3022.4	1511.7	1008.1	756.4	605.3	1008.2
ZMCKYKNIHGYVAYICGSGSDYKDDDDK	2942.2	1471.6	981.4	736.3	589.2	981.4
ZMCKYATLQWYKWFYVCGSGSDYKDDDDK	3357.7	1679.3	1119.9	840.2	672.3	1119.8
ZMCDWYVYKVLKCGSGSDYKDDDDK	3216.6	1608.8	1072.9	804.9	644.1	1072.9
ZMCPYAIWYKWRKTCGSGSEEGSGSDYKDDDDK	3882.2	1941.6	1294.7	971.3	777.2	971.4
ZMCAKYFLIWRAYQCGSGSDYKDDDDK	3247.6	1624.3	1083.2	812.6	650.3	1083.1
ZMCHIRYWQLVRKHCGSGSEEGSGSDYKDDDDK	3743.0	1872.0	1248.3	936.5	749.4	1248.4
ZMCHRYIYLDYWHCGSGSDYKDDDDK	3126.4	1563.7	1042.8	782.3	626.1	1042.7
ZMCFLDHKTQVFCGSGSDYKDDDDK	3057.4	1529.2	1019.8	765.1	612.3	1019.8
ZMCLWYLLQFHRREGSGSDYKDDDDK	3271.6	1636.3	1091.2	818.6	655.1	1091.2
ZMCESDAYRWKLVWVCGSGSDYKDDDDK	3299.6	1650.3	1100.5	825.6	660.7	1100.6
ZMCTYDFVLGHYLLICGSGSDYKDDDDK	3138.4	1569.7	1046.8	785.4	628.5	1046.8
ZMCPYRFRYVWQKLCGSGSDYKDDDDK	3394.7	1697.8	1132.2	849.4	679.7	1132.3
ZMCEQRSRWSNYWYPCGSGSDYKDDDDK	3332.5	1666.8	1111.5	833.9	667.3	1111.4
ZMCTYFELFELYLHCGSGSDYKDDDDK	3264.5	1632.8	1088.8	816.9	653.7	1088.8
ZMCDKFKWYVFRHCGSGSEEGSGSDYKDDDDK	3845.2	1923.1	1282.4	962.0	769.8	962.0
ZMCPYDFVDFYVYHCGSGSDYKDDDDK	3208.4	1604.7	1070.1	802.9	642.5	1070.1
ZMCKIYVVDHFKFWVCGSGSDYKDDDDK	3367.7	1684.4	1123.2	842.7	674.3	1123.0
ZMCKREIKYWLFCGSGSDYKDDDDK	3042.4	1521.7	1014.8	761.4	609.3	1014.8
ZMCPYHRPPNSKIWRKCGSGSDYKDDDDK	3242.6	1621.8	1081.5	811.4	649.3	1081.4
ZMCDLYTVLWYKIQKCGSGSDYKDDDDK	3359.7	1680.3	1120.6	840.7	672.7	1120.6
ZMCEDLFYLLFHHCGSGSDYKDDDDK	3157.4	1579.2	1053.1	790.1	632.3	1053.1
ZMCEVLYWLLVTCGSGSDYKDDDDK	3081.4	1541.2	1027.8	771.1	617.1	1027.7
ZMCPVWQYSHHYNWHCGSGSDYKDDDDK	3217.4	1609.2	1073.1	805.1	644.3	1073.0
ZMCEDLFYIIRYGCSCGSDYKDDDDK	3226.5	1613.7	1076.2	807.4	646.1	1076.1
ZMCLWHYKIFRRQKCGSGSDYKDDDDK	3398.8	1699.9	1133.6	850.4	680.6	1133.3
ZMCDAYVRYWQVLHCGSGSDYKDDDDK	3273.5	1637.3	1091.8	819.1	655.5	1091.8
ZMCPVWQYSHHYNWHCGSGSDYKDDDDK	3202.6	1601.8	1068.2	801.4	641.3	1068.0
ZMCPVWYKRLDRNWCYVCGSGSDYKDDDDK	3259.5	1630.3	1087.2	815.6	652.7	1087.1
ZMCPYDFVDFYVYHCGSGSDYKDDDDK	3322.5	1661.8	1108.2	831.4	665.3	1108.3
ZMCPYDYDWDHWRDCGSGSDYKDDDDK	3391.5	1696.2	1131.2	848.6	679.1	1131.1
ZMCPYVYQYWRVFCGSGSDYKDDDDK	3081.4	1541.2	1027.8	771.1	617.1	1027.8
ZMCPVWWSHPSIWCYVCGSGSDYKDDDDK	2971.3	1486.1	991.1	743.6	595.1	991.1
ZMCEHRHPYGHWEQCGSGSDYKDDDDK	3136.3	1568.6	1046.1	784.8	628.1	1046.1
ZMCAVYKLVWLVKHSRCSGSEEGSGSDYKDDDDK	3771.1	1886.0	1257.7	943.5	755.0	943.4
ZMCKYKSKDLWYRVLWCGSGSDYKDDDDK	3494.9	1747.9	1165.6	874.5	699.8	1165.6
ZMCPYNIWYKYVRRREGSGSDYKDDDDK	3413.7	1707.3	1138.6	854.2	683.5	1138.5
ZMCTVYYYKLFHRCGSGSDYKDDDDK	3213.5	1607.3	1071.8	804.1	643.5	1071.8
ZMCPYIHWYKLRVCGSGSDYKDDDDK	3171.5	1586.3	1057.8	793.6	635.1	1057.7
ZMCKIDLHLFYLLCGSGSDYKDDDDK	3098.5	1549.7	1033.5	775.4	620.5	1033.4
ZMCPYRFLFYLLSHCGSGSDYKDDDDK	3148.5	1574.7	1050.2	787.9	630.5	1050.2
ZMCHLLYKLFHSCGSGSDYKDDDDK	2981.3	1491.1	994.4	746.1	597.1	994.4
ZMCPVWYKRLDRHCGSGSDYKDDDDK	2931.2	1466.1	977.7	733.6	587.0	977.7
ZMCPYRFRWTEEWQPCGSGSDYKDDDDK	3203.4	1602.2	1068.5	801.6	641.5	1068.4
ZMCRHLFYWKLWHQRCGSGSEEGSGSDYKDDDDK	3977.3	1989.1	1326.4	995.1	796.3	994.9
ZMCLRHLYEPYWHCGSGSDYKDDDDK	3074.3	1537.7	1025.4	769.3	615.7	1025.3

ZMCAKAFLLWKGKFCGSGSEEGSGSDYKDDDDK	3515.8	1758.4	1172.6	879.7	704.0	1171.9
ZMCYEDEIWLKVLVLYCGSGSDYKDDDDK	3294.6	1647.8	1098.9	824.4	659.7	1098.8
ZMCEVIWYKIQWRKCGSGSDYKDDDDK	3209.6	1605.3	1070.5	803.1	642.7	1070.4
ZMCITRKNKWEWRPCGSGSDYKDDDDK	3303.6	1652.3	1101.9	826.6	661.5	1101.8
ZMCVKYKYWVVFHCGSGSDYKDDDDK	3130.5	1565.7	1044.2	783.4	626.9	1044.1
ZMCTHRHPYETLWHQCGSGSDYKDDDDK	3265.5	1633.2	1089.2	817.1	653.9	1089.2
ZMCWYDQHSFYWERLWCGSGSDYKDDDDK	3390.6	1695.8	1130.9	848.4	678.9	1130.8
ZMCYTRHPYEALWHQCGSGSDYKDDDDK	3261.5	1631.2	1087.8	816.1	653.1	1087.9
ZMCREIRYWLWQCGSGSDYKDDDDK	3138.4	1569.7	1046.8	785.4	628.5	1046.8
ZMCEVKYFLIWRKWCWCGSGSDYKDDDDK	3228.6	1614.8	1076.9	807.9	646.5	1076.8
ZMCFDIHMPFIPCGSGSDYKDDDDK	2890.3	1445.6	964.1	723.3	578.9	964.2
ZMCFWHRSDFWLQFCGSGSDYKDDDDK	3357.7	1679.3	1119.9	840.2	672.3	1119.8
ZMCNKHLYYLLFKHCGSGSDYKDDDDK	3299.6	1650.3	1100.5	825.7	660.7	1100.8
ZMCFHIKANYGFVRVCGSGSDYKDDDDK	3111.4	1556.2	1037.8	778.6	623.1	1037.9
ZMCTDLYYLIWQRYCGSGSDYKDDDDK	3357.6	1679.3	1119.9	840.2	672.3	1119.9
ZMCYNVHWYRWIRRRCGSGSDYKDDDDK	3465.8	1733.4	1155.9	867.2	694.0	1156.0
ZMCPRYVLYKLFHHCGSGSDYKDDDDK	3296.7	1648.8	1099.6	824.9	660.1	1099.6
ZMCNDLFYLLWRKACGSGSDYKDDDDK	3262.6	1631.8	1088.2	816.4	653.3	1088.0
ZMCDIVIKILRSLCGSGSDYKDDDDK	2993.4	1497.2	998.5	749.1	599.5	998.8
ZMCYEVLYKLRKHCGSGSDYKDDDDK	3323.7	1662.3	1108.6	831.7	665.5	1108.6
ZMCDNRRWVRYQJFCGSGSDYKDDDDK	3376.7	1688.8	1126.2	844.9	676.1	1126.2
ZMCWVFRNHKFWQJCGSGSDYKDDDDK	3436.8	1718.9	1146.3	859.9	688.2	1146.3
ZMCYNKFITLYKVLVYCGSGSDYKDDDDK	3225.6	1613.3	1075.9	807.1	645.9	1075.8
ZMCKRHITYWKLWHFCGSGSEEGSGSDYKDDDDK	3922.2	1961.6	1308.1	981.3	785.2	981.5
ZMCKHLFYKLIKACGSGSDYKDDDDK	3240.7	1620.8	1080.9	810.9	648.9	1080.9
ZMCHDIVFYKVLRHCGSGSDYKDDDDK	3250.6	1625.8	1084.2	813.4	650.9	1084.1
ZMCRRELYYLLYSKCGSGSDYKDDDDK	3327.7	1664.3	1109.9	832.7	666.3	1109.9
ZMCHNKLYYLLYSCGSGSDYKDDDDK	3300.6	1650.8	1100.9	825.9	660.9	1100.9
ZMCDLFFYKLFKLCGSGSDYKDDDDK	3265.7	1633.3	1089.2	817.2	653.9	1089.2
ZMCENKVLFYLLWCGSGSDYKDDDDK	3276.6	1638.8	1092.9	819.9	656.1	1092.9
ZMCYKRDLYYLVFKCGSGSDYKDDDDK	3331.7	1666.3	1111.2	833.7	667.1	1111.1
ZMCYTELWYKYIRRHCGSGSDYKDDDDK	3388.7	1694.8	1130.2	847.9	678.5	1130.0
ZMCYDVLWYRYRYKQCGSGSDYKDDDDK	3413.7	1707.4	1138.6	854.2	683.5	1138.5
ZMCDLFYLLQHKKKVCGSGSDYKDDDDK	3251.6	1626.3	1084.5	813.6	651.1	1084.5
ZMCDKRHLYYLLVCGSGSDYKDDDDK	3143.5	1572.2	1048.5	786.6	629.5	1048.5
ZMCHDKFITLYKVLVYCGSGSDYKDDDDK	3200.6	1600.8	1067.5	800.9	640.9	1067.4
ZMCDRLILYRIVHKCGSGSDYKDDDDK	3249.6	1625.3	1083.9	813.2	650.7	1083.8
ZMCPYEIKYWIVWQCGSGSDYKDDDDK	3313.6	1657.3	1105.2	829.2	663.5	1105.3
ZMCYQYRVWRSICGSGSDYKDDDDK	3193.5	1597.2	1065.2	799.1	639.5	1065.1
ZMCDLRELFYLLVCGSGSDYKDDDDK	3232.6	1616.8	1078.2	808.9	647.3	1078.1
ZMCPYTKYWIVWRHSCGSGSDYKDDDDK	3296.6	1648.8	1099.5	824.9	660.1	1099.4
ZMCDKYWVYKWIWRCGSGSDYKDDDDK	3374.7	1687.9	1125.6	844.4	675.7	1125.5
ZMCFWKKLHVFWVKDCGSGSDYKDDDDK	3293.7	1647.3	1098.6	824.2	659.5	1098.5
ZMCEHLYYLLSHRRCGSGSDYKDDDDK	3310.6	1655.8	1104.2	828.4	662.9	1104.0
ZMCDHRHLYYILWCGSGSDYKDDDDK	3367.7	1684.3	1123.2	842.7	674.3	1123.2
ZMCEHRHPYSNFWILCGSGSDYKDDDDK	3259.5	1630.3	1087.2	815.6	652.7	1087.1
ZMCRELFYRFWQKTCGSGSDYKDDDDK	3397.7	1699.4	1133.2	850.2	680.3	1133.1
ZMCTYTYVFNQTYVHCGSGSDYKDDDDK	3196.4	1598.7	1066.1	799.8	640.1	1066.1
ZMCEREFLYYLYKCGSGSDYKDDDDK	3410.7	1705.8	1137.6	853.4	682.9	1137.3
ZMCWYVQHSFYWERLWCGSGSDYKDDDDK	3374.6	1687.8	1125.5	844.4	675.7	1125.3
ZMCKIWLKAAARRFCGSGSDYKDDDDK	3225.7	1613.3	1075.9	807.2	645.9	1075.8
ZMCEHRHPFTQYWLRCGSGSDYKDDDDK	3330.6	1665.8	1110.9	833.4	666.9	1110.8
ZMCVYEVFDRLTVTCGSGSDYKDDDDK	3165.4	1583.2	1055.8	792.1	633.9	1055.8
ZMCYEVLYWYQQQRHCGSGSDYKDDDDK	3373.6	1687.3	1125.2	844.1	675.5	1125.1
ZMCRDFIYWYKLFQCGSGSDYKDDDDK	3304.6	1652.8	1102.2	826.9	661.7	1102.1
ZMCYTRHPFQKRWHYCGSGSEEGSGSDYKDDDDK	3926.1	1963.6	1309.4	982.3	786.0	982.2
ZMCKFDLDFYKIWCGSGSDYKDDDDK	3261.7	1631.3	1087.9	816.2	653.1	1087.8
ZMCYEVLYWYQYWRKVCGSGSDYKDDDDK	3393.7	1697.4	1131.9	849.2	679.5	1131.8
ZMCYTKAYWHEPWRPCGSGSDYKDDDDK	3294.5	1647.8	1098.8	824.4	659.7	1098.8
ZMCEVIWYKIQYRLCGSGSDYKDDDDK	3171.5	1586.3	1057.8	793.6	635.1	1057.7
ZMCDLFYLLFIKRRKCGSGSEEGSGSDYKDDDDK	3869.2	1935.1	1290.4	968.1	774.6	968.0
ZMCEHRHPYEAFFWHECGSGSDYKDDDDK	3298.5	1649.7	1100.2	825.4	660.5	1100.0
ZMCHFKRDYYWYLWQCGSGSDYKDDDDK	3465.7	1733.4	1155.9	867.2	693.9	1155.9
ZMCVHRHRFEPEWHVCGSGSDYKDDDDK	3289.5	1645.3	1097.2	823.1	658.7	1097.1
ZMCWVWQHPFLFWSKICGSGSDYKDDDDK	3301.7	1651.3	1101.2	826.2	661.1	1101.1
ZMCYTRKPFFFWRLCGSGSDYKDDDDK	3350.7	1675.9	1117.6	838.4	670.9	1117.4
ZMCWEFTKFGWWTICGSGSDYKDDDDK	3290.5	1645.8	1097.5	823.4	658.9	1097.5
ZMCAYRHIPEYVWHSCGSGSDYKDDDDK	3282.5	1641.7	1094.8	821.4	657.3	1094.7
ZMCYTKATVFSQWVLCGSGSDYKDDDDK	3103.4	1552.2	1035.1	776.6	621.5	1035.1
ZMCHLWYLLVHHRDCGSGSDYKDDDDK	3355.6	1678.3	1119.2	839.7	671.9	1119.1
ZMCKYSVYWKYQWRKCGSGSDYKDDDDK	3395.7	1698.4	1132.6	849.7	679.9	1132.5

ZMCEHKHPFERVWRSCGSGSDYKDDDDK	3268.5	1634.8	1090.2	817.9	654.5	1090.0
ZMCKYHRDLLYFLHCGSGSDYKDDDDK	3328.7	1664.8	1110.2	832.9	666.5	1110.1
ZMCEYRHKFEERWVHVCGSGSDYKDDDDK	3376.6	1688.8	1126.2	844.9	676.1	1126.1
ZMCYTRRFKWQDWHACGSGSDYKDDDDK	3354.6	1677.8	1118.9	839.4	671.7	1118.8
ZMCYTRHKFDHRWRACGSGSEEGSGSDYKDDDDK	3880.1	1940.5	1294.0	970.8	776.8	970.8
ZMCEFEIRWYQYQRKCGSGSDYKDDDDK	3406.7	1703.8	1136.2	852.4	682.1	1136.2
ZMCYTKYFYFEPWRICGSGSDYKDDDDK	3373.7	1687.3	1125.2	844.2	675.5	1125.2
ZMCYTRDRYELHWRLCGSGSDYKDDDDK	3368.6	1684.8	1123.5	842.9	674.5	1123.5
ZMCTTRKNKWEEWRPCGSGSDYKDDDDK	3291.5	1646.3	1097.8	823.6	659.1	1097.8
ZMCWEEIWIYKQHKCGSGSDYKDDDDK	3333.7	1667.3	1111.9	834.2	667.5	1111.7
ZMCYTKSFYWPWRSCGSGSDYKDDDDK	3294.6	1647.8	1098.9	824.4	659.7	1098.8
ZMCYTRHKFDQYWQPCGSGSDYKDDDDK	3329.6	1665.3	1110.5	833.1	666.7	1110.5
ZMCEYTLFGYHYIKCGSGSDYKDDDDK	3257.5	1629.3	1086.5	815.1	652.3	1086.4
ZMCYTRLNKHAKWQKCGSGSDYKDDDDK	3233.5	1617.3	1078.5	809.1	647.5	1078.4
ZMCNKHLYYLLFKQCGSGSDYKDDDDK	3290.6	1645.8	1097.5	823.4	658.9	1097.5
ZMCFNVHWYRWIRRRCGSGSDYKDDDDK	3449.8	1725.4	1150.6	863.2	690.8	1150.5
ZMCAYEYVFDRLTVTCGSGSDYKDDDDK	3137.4	1569.2	1046.5	785.1	628.3	1046.3
ZMCFRHKRSDFWLQFCGSGSDYKDDDDK	3327.7	1664.3	1109.9	832.7	666.3	1109.6
ZMCFKQHLFYLLHCGSGSDYKDDDDK	3169.5	1585.3	1057.2	793.1	634.7	1057.1
ZMCRHLAYWKLWHRKCGSGSDYKDDDDK	3354.7	1677.9	1118.9	839.4	671.7	1118.9
ZMCVIVYKILRSLCGSGSDYKDDDDK	2977.4	1489.2	993.1	745.1	596.3	373.2
ZMCLHIKANYGFVRVCGSGSDYKDDDDK	3077.4	1539.2	1026.5	770.1	616.3	1026.4
ZMCHWDIYWYRWVRRRCGSGSDYKDDDDK	3496.8	1748.9	1166.3	875.0	700.2	1166.1
ZMCVHKKWIRYWQIFCGSGSEEGSGSDYKDDDDK	3911.3	1956.1	1304.4	978.6	783.1	978.8
ZMCEHRHPYSNFWIPCGSGSDYKDDDDK	3243.5	1622.2	1081.8	811.6	649.5	1081.9
ZMCITRHRFEQFWHLGSGSDYKDDDDK	3330.6	1665.8	1110.9	833.4	666.9	1110.9
ZMCHVILWRSWRVYCGSGSDYKDDDDK	3076.4	1538.7	1026.1	769.8	616.1	1026.0
ZMCIFDIHMPPFPCGSGSDYKDDDDK	2890.3	1445.6	964.1	723.3	578.9	964.1