

Supplementary material of Table S1 for online publication only

**Table S1. Identification result of tyrosinase inhibitory peptides from <3 kDa
fraction by LC-MS/MS**

No.	Peptides	-10lgP	Mass	Length	m/z	RT
1	AARM	25.56	447.2264	4	448.2325	50.75
2	AFR	28.25	392.2172	3	393.2244	47.77
3	AGDLPLW	29.67	770.3962	7	771.4037	36.21
4	AIE	30.68	331.1743	3	332.183	51.91
5	AIHA	23.38	410.2278	4	411.2356	46.22
6	AII	32.94	315.2158	3	316.2225	47.91
7	AIL	32.94	315.2158	3	316.2225	47.91
8	AILL	33.51	428.2999	4	429.307	31.61
9	AILLL	24.74	541.3839	5	542.3917	39.94
10	AILW	24.13	501.2951	4	502.3004	37.52
11	ALE	30.68	331.1743	3	332.183	51.91
12	ALL	32.94	315.2158	3	316.2225	47.91
13	ALLF	28.87	462.2842	4	463.2913	34.79
14	AQR	29.17	373.2073	3	374.217	58.78
15	ARK	23.14	373.2437	3	374.2532	35.28
16	ATFQALGLL	20.77	932.5331	9	467.274	33.27
17	AVR	30.14	344.2172	3	345.2266	44.2
18	AYLVGL	20.76	634.369	6	635.3771	35.18
19	CAAT	27.96	364.1417	4	365.1494	42.47
20	CKT	23.78	350.1624	3	351.1699	43.65
21	CNR	27.88	391.1638	3	392.173	21.86
22	CPE	21.44	347.1151	3	348.1228	12.23
23	CPK	25.32	346.1675	3	347.1739	48.95
24	CPK	25.32	346.1675	3	347.1739	48.95
25	CSG	28.64	265.0732	3	266.0807	13.32
26	CTA	23.01	293.1046	3	294.112	42.53
27	CTKECPPNLQY	21.16	1294.569	11	648.2899	29.76
28	DDFLPPV	32.5	801.3908	7	802.3965	36.38
29	DDPWARDF	27.43	1020.43	8	511.2227	33.28
30	DDFDFP(+15.99)T	20.92	903.365	7	904.3722	35.82
31	DFKTDLRFQ	52.78	1168.588	9	390.5361	28.66
32	DGI	30.17	303.143	3	304.1513	50.04
33	DKT	25.12	362.1801	3	363.1876	50.11
34	DLED	20.62	490.1911	4	491.1985	50.78
35	DLVLL	22.97	571.3581	5	572.3656	36.8
36	DQIQFHMNL	25.75	1144.534	9	573.2759	22.75
37	DRF	26.94	436.207	3	437.2171	29.47

38	DTDDVPMIL	45.68	1017.469	9	1018.476	39.01
39	DVV	26.6	331.1743	3	332.1833	42.49
40	DYP	29.55	393.1536	3	394.1621	35.61
41	EASEAYLVGL	33.68	1050.523	10	526.2689	36.65
42	EDDFLPPV	55.85	930.4334	8	931.4408	36.57
43	EEH	25.32	413.1547	3	414.1631	42.51
44	EFIL	29.13	520.2897	4	521.2972	35.54
45	EFLI	29.13	520.2897	4	521.2972	35.54
46	EGCT	21.3	408.1315	4	409.1391	40.5
47	EGDSVTVQIN	26.84	1060.504	10	531.2558	35.95
48	EHKE	20.47	541.2496	4	542.2568	40.1
49	EIAQL	21.43	572.317	5	573.3242	30.22
50	EIFL	32.69	520.2897	4	521.2972	35.54
51	EIIP	30.79	470.274	4	471.2804	28.46
52	EIPIP	23.35	567.3268	5	568.3338	26.09
53	EKYDCPICLLVL	22.95	1407.714	12	704.869	21.16
54	ELFI	32.69	520.2897	4	521.2972	35.54
55	ELIL	38.83	486.3053	4	487.3129	33.27
56	ELIP	30.79	470.274	4	471.2804	28.46
57	ELLI	38.83	486.3053	4	487.3129	33.27
58	ELLP	30.79	470.274	4	471.2804	28.46
59	ELRE	24.69	545.2809	4	546.2908	26.98
60	EMI	32.38	391.1777	3	392.1851	37.84
61	ENFPF	24.27	652.2856	5	653.2938	35.3
62	EPG	28.77	301.1274	3	302.1345	48.41
63	ERF	26.52	450.2227	3	451.232	37.55
64	ESLTDPSK LDS	22.35	1190.567	11	596.2903	27.95
65	EVKE	20.66	503.2591	4	504.2646	37.38
66	EVNP	25.85	457.2173	4	458.2226	39.18
67	EWL	30.14	446.2165	3	447.2239	33.3
68	FDF	31.6	427.1743	3	428.1821	31.07
69	FDFP	24.5	524.2271	4	525.2374	33.25
70	FDFPTPSR	51.63	965.4606	8	483.737	28.02
71	FDLF	23.14	540.2584	4	541.2658	39.29
72	FEDTNLC(+119.00)AIH	24.87	1280.517	10	427.8456	24.04
73	FEDTNLC(+119.00)AIHAK	21.74	1479.649	12	494.2238	21.8
74	FEFDGF	27.19	760.3068	6	761.3129	40.23
75	FFI	26.36	425.2314	3	426.2383	37.4
76	FGF	31.19	369.1688	3	370.1762	30.15
77	FGPF	25.94	466.2216	4	467.2292	33.02
78	FGQ(+.98)VMN(+.98)	23.24	696.2789	6	697.286	30.39
79	FIF	33.19	425.2314	3	426.2383	36.42
80	FII	32	391.2471	3	392.2535	33.51
81	FIL	32	391.2471	3	392.2535	33.51

82	FIM	31.35	409.2035	3	410.2115	28.88
83	FKL	34.21	406.258	3	407.2645	33.19
84	FLDI	26.15	506.274	4	507.2811	43.75
85	FLF	33.19	425.2314	3	426.2383	36.42
86	FLGC	21.55	438.1937	4	439.2008	57.01
87	FLI	32	391.2471	3	392.2535	33.51
88	FLL	32	391.2471	3	392.2535	33.51
89	FLLE	25.58	520.2897	4	521.2979	43.86
90	FLLV	26.29	490.3155	4	491.3231	34.85
91	FLPL	30.25	488.2998	4	489.3086	32.35
92	FPF	28.58	409.2001	3	410.2078	34.16
93	FPI	36.27	375.2158	3	376.2229	29.14
94	FSR	20.34	408.2121	3	409.2209	51.56
95	FVQNIFVE	35.04	994.5123	8	498.2637	36.44
96	FVVI	23.74	476.2999	4	477.3083	33
97	GFFF	39.14	516.2372	4	517.2446	48.13
98	GFIL	30.3	448.2686	4	449.2757	36.97
99	GFLI	30.3	448.2686	4	449.2757	36.97
100	GGKAP	26.93	428.2383	5	429.2484	38
101	GGSIT	30.65	433.2173	5	434.2203	44.62
102	GGSLT	30.65	433.2173	5	434.2203	44.62
103	GIFI	29.3	448.2686	4	449.2758	30.17
104	GILI	26.45	414.2842	4	415.2914	30.41
105	GLFL	29.3	448.2686	4	449.2758	30.17
106	GLIL	26.45	414.2842	4	415.2914	30.41
107	GLLL	26.45	414.2842	4	415.2914	30.41
108	GMH	21.68	343.1314	3	344.1398	47.08
109	GPNKCLSCRITYK	24.41	1368.664	12	457.2317	20.4
110	GRV	21.27	330.2015	3	331.2086	13.64
111	GTGMSQVVNDDK	25.44	1249.561	12	625.7894	47.68
112	GWD	23.03	376.1383	3	377.1451	23.62
113	GYR	20.96	394.1964	3	395.2015	52.56
114	HEDLRQ	20.57	796.3828	6	399.1965	25.12
115	HHL	21.68	405.2125	3	406.2222	38.68
116	HLN	24.93	382.1965	3	383.2058	39.7
117	HPC	20.04	355.1314	3	356.1402	47.08
118	HYIF	33.24	578.2853	4	579.2935	54.81
119	IAQDFKTDLR	71.5	1205.64	10	603.8282	21.64
120	ICR	29.07	390.2049	3	391.2104	51.74
121	IDEYSVQQL- K(+42.01)EYDGKTL	20.82	2070.016	17	518.5093	27.69
122	IDLDGDIVER	56.68	1143.577	10	572.7954	27.95
123	IDPPKERPIP	62.51	1160.655	10	387.8922	20.7
124	IEDTGIGMT	20.05	935.427	9	936.4298	36.74

125	IFI	33.51	391.2471	3	392.2547	30.69
126	IFII	30.8	504.3311	4	505.3384	39.63
127	IFIP	33.83	488.2998	4	489.3083	32.91
128	IFL	33.51	391.2471	3	392.2547	30.69
129	IIA	29.4	315.2158	3	316.2225	47.91
130	IIF	31.25	391.2471	3	392.2547	30.69
131	IIL	26.15	357.2628	3	358.2697	41.82
132	IILL	22.49	470.3468	4	471.3542	36.21
133	IIS	23.66	331.2107	3	332.2195	52.65
134	IITIP	23.79	555.3632	5	556.3708	31.2
135	IIW	32.15	430.258	3	431.265	32.8
136	IKR	26.59	415.2907	3	416.3007	47.8
137	ILA	29.4	315.2158	3	316.2225	47.91
138	ILDF	31.37	506.274	4	507.2822	31.35
139	ILFL	30.49	504.3311	4	505.3391	39.02
140	ILHIL	21.49	607.4057	5	304.7101	29.78
141	ILL	26.15	357.2628	3	358.2697	41.82
142	ILLL	22.49	470.3468	4	471.3542	36.21
143	ILLV	27.42	456.3311	4	457.3383	29.89
144	ILW	32.15	430.258	3	431.265	32.8
145	INDGLKTIQI	20.85	1113.639	10	557.8272	27
146	INFI	21.88	505.29	4	506.2983	33.97
147	IPF	38.2	375.2158	3	376.2229	29.14
148	IPLL	25.43	454.3155	4	455.3231	30.02
149	IRI	23.07	400.2798	3	401.2873	53.49
150	IRK	26.94	415.2907	3	416.3004	44.31
151	IRKLPF	33.82	772.4959	6	258.5054	23.75
152	IRKLPFQR	61.24	1056.656	8	353.2257	20.57
153	IRKLPFQRL	29.54	1169.74	9	390.9195	24.28
154	IRL	23.07	400.2798	3	401.2873	53.49
155	ITAK	24.55	431.2744	4	432.2799	23.62
156	ITIGG	31.13	459.2693	5	460.2751	41.35
157	ITLGG	31.13	459.2693	5	460.2751	41.35
158	ITPDKQ	22.65	700.3755	6	701.3872	51.26
159	ITTSS	38.19	507.254	5	508.2574	43.76
160	ITVQRI	25.12	728.4545	6	365.2349	26.16
161	IWI	29.57	430.258	3	431.2658	35.54
162	K(+43.01)ADNGP	21.34	643.2925	6	644.2991	27.05
163	KADNGPLKNLAYKR	23.65	1586.889	14	397.727	22.07
164	KAR	22.45	373.2437	3	374.2532	35.28
165	KDMWAET	21.49	879.3796	7	440.697	27.51
166	KE(+37.03)KYT	23.72	704.3857	5	705.3889	51.67
167	KEYTINRQHKR	23.46	1471.801	11	491.6089	23.37
168	KFFI	23.87	553.3264	4	554.3347	33.19

169	KFL	33.01	406.258	3	407.2645	33.19
170	KILW	22.66	558.353	4	559.3619	34.12
171	KIR	26.98	415.2907	3	416.3004	44.31
172	KLLV	28.7	471.342	4	472.3474	41.38
173	KLPFQRL	35.86	900.5545	7	301.1923	25.68
174	KLVL	23.69	471.342	4	472.3474	41.38
175	KMR	21.71	433.2471	3	434.2539	42.88
176	KQLA	23.11	458.2853	4	459.2909	53.47
177	KRA	24.41	373.2437	3	374.2532	34.83
178	KRC	22.35	405.2158	3	406.2222	38.68
179	KRI	30.27	415.2907	3	416.3003	36.33
180	KRP	25.3	399.2594	3	400.269	39.07
181	KRT	28.33	403.2543	3	404.2641	48.83
182	KVI	24.98	358.258	3	359.2649	38.92
183	KVL	24.98	358.258	3	359.2649	38.92
184	KVVDN(+203.08)R	21.48	932.4927	6	467.256	26.61
185	KVYLP	24.94	490.2791	4	491.2832	50.76
186	KWI	28.81	445.2689	3	446.2763	34.12
187	KYL	23.63	422.2529	3	423.2593	48.57
188	KYR	27.29	465.27	3	466.279	43.39
189	L(+71.04)GLGI	24.09	542.3428	5	543.3499	32.22
190	LAGG	40.84	316.1747	4	317.1821	34.12
191	LCR	29.07	390.2049	3	391.2104	51.74
192	LDFL	29.49	506.274	4	507.2814	37.25
193	LDGGDVINSL	32.49	1001.503	10	1002.51	34.33
194	LDIL	33.45	472.2897	4	473.297	31.63
195	LDPL	29.21	456.2584	4	457.2652	27.78
196	LELP	28.92	470.274	4	471.2804	28.46
197	LFI	33.51	391.2471	3	392.2547	30.69
198	LFIP	33.83	488.2998	4	489.3083	32.91
199	LFIPRRAPFD	26.48	1230.687	10	411.2365	29.52
200	LFL	33.51	391.2471	3	392.2547	30.69
201	LGFI	29.06	448.2686	4	449.2761	34.27
202	LGLF	27.81	448.2686	4	449.2758	30.17
203	LGLGI	27.03	471.3057	5	472.3133	33.73
204	LGPF	34.44	432.2372	4	433.2448	29.05
205	LGVII	20.64	513.3526	5	514.3601	35.9
206	LIDV	20.8	458.274	4	459.2805	24.82
207	LIF	31.25	391.2471	3	392.2547	30.69
208	LII	26.15	357.2628	3	358.2697	41.82
209	LIL	26.15	357.2628	3	358.2697	41.82
210	LIRKLPF	40.65	885.58	7	296.2002	26.89
211	LIRKLPFQ	46.34	1013.6385	8	507.8271	25.93
212	LIRKLPFQR	59.63	1169.7396	9	390.92	23.06

213	LIRKLPFQRL	37.7	1282.8237	10	428.6153	26.75
214	LIS	23.66	331.2107	3	332.2195	52.65
215	LKR	26.59	415.2907	3	416.3007	47.8
216	LLF	31.25	391.2471	3	392.2547	30.69
217	LLFD	33.34	506.274	4	507.2811	28.15
218	LLFI	30.49	504.3311	4	505.3391	39.02
219	LLFIP	28.42	601.3839	5	602.3909	42.87
220	LLFP	31.28	488.2998	4	489.308	33.58
221	LLGAL	21.61	485.3213	5	486.3289	28.7
222	LLGF	25.25	448.2686	4	449.2758	30.17
223	LLHIL	21.49	607.4057	5	304.7101	29.78
224	LLI	26.15	357.2628	3	358.2697	41.82
225	LLIRKLPFQR	40.37	1282.8237	10	428.6147	27.82
226	LLL	26.15	357.2628	3	358.2697	41.82
227	LLLP	27.41	454.3155	4	455.3231	30.02
228	LLLV	27.42	456.3311	4	457.3383	29.89
229	LLPLI	20.22	567.3995	5	568.4067	39.83
230	LLPLL	20.22	567.3995	5	568.4067	39.83
231	LLS	23.66	331.2107	3	332.2195	52.65
232	LLSSGFT(-18.01)LEEP	22.58	1173.5917	11	587.7991	36.09
233	LLVF	26.15	490.3155	4	491.3228	35.56
234	LLVI	23.51	456.3311	4	457.3389	31.17
235	LLW	32.15	430.258	3	431.265	32.8
236	LMF	29.66	409.2035	3	410.2103	40.65
237	LNFL	21.88	505.29	4	506.2983	33.97
238	LPF	38.2	375.2158	3	376.2229	29.14
239	LPFQRL	44.03	772.4595	6	387.2367	28.51
240	LPLI	25.43	454.3155	4	455.3231	30.02
241	LRK	26.94	415.2907	3	416.3004	44.31
242	LRK	26.94	415.2907	3	416.3004	44.31
243	LTAK	24.55	431.2744	4	432.2799	23.62
244	LTGKDFPVEEPVDVST	24.22	1731.8567	16	578.2957	32.22
245	LTIGG	31.13	459.2693	5	460.2751	41.35
246	LTLGG	31.13	459.2693	5	460.2751	41.35
247	LTPL	28.84	442.2791	4	443.2865	27.91
248	LTRDDANYGVPL	21.28	1332.6674	12	667.3411	28.24
249	LTSS	38.19	507.254	5	508.2574	43.76
250	LVFDVPMP	22.2	916.4728	8	459.2455	22.07
251	LVGLF	22.62	547.337	5	548.3441	38.15
252	LVIF	27.21	490.3155	4	491.3228	35.56
253	LVLV	27.21	490.3155	4	491.3228	35.56
254	LVLV	29.08	440.2999	4	441.3068	28.13
255	LVNN(+.98)L	23.82	572.317	5	573.3242	30.22
256	LVREIAQDF	76.42	1089.5818	9	545.7983	29.28

257	MNQ	23.65	391.1526	3	392.1604	34.25
258	MRCRAY	21.75	798.3629	6	799.3657	47.26
259	MTR	22.09	406.1998	3	407.2046	50.39
260	NEDDFLPPV	65.22	1044.4763	9	1045.4844	36.53
261	NEFPDPVK	21.51	944.4603	8	473.2371	23.39
262	NHI	29.3	382.1965	3	383.2058	39.7
263	NST	28.79	320.1332	3	321.1407	40.79
264	NSVAA	36.37	460.2281	5	461.2316	34.81
265	NYS	31.37	382.1488	3	383.1561	49.2
266	NYT	20.34	396.1645	3	397.1718	50.09
267	PAD	22.5	301.1274	3	302.1345	48.41
268	PAE	28.32	315.143	3	316.1514	45.38
269	PAS	24.23	273.1324	3	274.1393	7.59
270	PAT	21.19	287.1481	3	288.1545	48.97
271	PDPDLP	29.44	652.3068	6	653.312	38.43
272	PER	21.89	400.207	3	401.214	56.95
273	PGHP	27.96	406.1964	4	407.2048	46.04
274	PISSYVEPP	20.9	987.4913	9	494.7533	30.82
275	PLKN(+.98)LAYKR(+14.02)ETY	23.28	1509.8191	12	755.9219	37.14
276	PPSVPP	21.8	592.322	6	593.3292	26.29
277	PRK	25.73	399.2594	3	400.2691	40.59
278	PRPP	23.36	465.2699	4	466.279	43.39
279	PSKLDSGK(+54.01)DL	22.19	1112.5713	10	1113.5784	33.62
280	PTT	34.36	317.1587	3	318.1675	46.66
281	PYGPL	27.62	545.2849	5	546.2919	26.19
282	Q(-17.03)FIG	20.32	446.2165	4	447.2234	39.47
283	QAA	26.97	288.1434	3	289.1513	44.38
284	QC(+31.99)P	21.2	378.1209	3	379.1292	42.54
285	QHF	22.48	430.1965	3	431.2042	42.67
286	QHP	22.3	380.1808	3	381.1884	46.49
287	QIND	20.06	488.2231	4	489.2299	7.6
288	QKPDNFASTKT	20.96	1348.699	12	675.3525	46.79
289	QLLF	21.23	519.3057	4	520.3126	33.56
290	QLND	20.06	488.2231	4	489.2299	7.6
291	QQY	21.98	437.191	3	438.1977	55.59
292	QRI	28.36	415.2543	3	416.2638	36.38
293	QRL	28.36	415.2543	3	416.2638	36.38
294	QRV	25.9	401.2386	3	402.2486	51.58
295	R(+14.02)ANNRPPQG	21.84	1022.537	9	1023.547	27.47
296	RCE	34.36	406.1635	3	407.1731	48.55
297	RCI	21.46	390.2049	3	391.2098	42.95
298	RCL	21.46	390.2049	3	391.2098	42.95
299	RDPENFPF	31.6	1020.466	8	511.2408	31.7
300	RFA	29.13	392.2172	3	393.2265	39.61

301	RFP	26.15	418.2328	3	419.2404	50.82
302	RGM	21.11	362.1736	3	363.1801	41.13
303	RGVP	25.98	427.2543	4	428.2638	37.86
304	RHS	21.59	398.2026	3	399.2114	55.13
305	RLFGSPYGSMWDDPWARDFF	20.07	2449.095	20	613.281	14.83
306	RMT	29.19	406.1998	3	407.2046	50.39
307	RPK	28.89	399.2594	3	400.2691	40.59
308	RPP	22.34	368.2172	3	369.225	37.59
309	RPV	24.33	370.2328	3	371.2401	53.22
310	RQI	24.33	415.2543	3	416.264	35.07
311	RQL	24.33	415.2543	3	416.264	35.07
312	RSGSYT	24.9	669.3082	6	670.312	41.42
313	RTK	22.15	403.2543	3	404.2639	51.52
314	RWL	26.51	473.275	3	474.2845	38.82
315	SDD	22.2	335.0965	3	336.1019	6.19
316	SDE	26.76	349.1121	3	350.1171	11.51
317	SFR	23.44	408.2121	3	409.22	39.7
318	SGT	35.66	263.1117	3	264.1197	45.61
319	SGTAV	37.02	433.2173	5	434.2209	39.19
320	SILHIL	24.95	694.4377	6	348.2259	33.38
321	SLI	23.45	331.2107	3	332.2195	52.65
322	SL LHIL	24.95	694.4377	6	348.2259	33.38
323	SLLS(+162.05)SGF	29.58	871.4174	7	436.7169	29.45
324	SPI	32.53	315.1794	3	316.1861	39.59
325	SPSSS	35.4	463.1914	5	464.1944	43.7
326	SSH	22.32	329.1335	3	330.1403	9.07
327	SST	22.38	293.1223	3	294.1305	52.82
328	STQ	27.7	334.1489	3	335.156	45.61
329	SVEGQLEFR	41.33	1063.53	9	532.772	25.54
330	SWRDEF	25.42	838.361	6	420.1876	27.91
331	T(+27.99)LDDKDPL	21.05	943.4498	8	472.7317	29.77
332	TCK	25.7	350.1624	3	351.1699	43.65
333	TELTETQQ	29.73	948.44	8	475.2299	24.51
334	TFIF	25.15	526.2791	4	527.2871	40.14
335	TFLF	25.15	526.2791	4	527.2871	40.14
336	TGIFIICH	39.57	902.4684	8	903.4771	27.8
337	TGPSYEVK	21.37	879.4338	8	880.4432	25.21
338	TGVAS	35.71	433.2173	5	434.2206	46.92
339	TGVDV	24.19	489.2435	5	490.2477	41.32
340	TIGGVL	25.07	558.3377	6	559.3446	30.62
341	TIGGVLL	26.83	671.4218	7	672.4288	31.54
342	TIILL	23.99	571.3945	5	572.4019	38.54
343	TIYGGVGS LP	22.29	962.5073	10	482.261	24.68
344	TK(+42.01)VIGIDLD	24.16	1014.56	9	508.2873	25.46

345	TLDDK(+226.08)DPL	22.96	1141.533	8	571.7704	36.67
346	TLDDKDPL	32.22	915.4549	8	458.7354	38.56
347	TLGLF	20.47	549.3162	5	550.3232	39.21
348	TLHLKEDQVE	22.17	1210.619	10	606.3128	32.3
349	TLKEWNNIIFP	21.5	1373.734	11	458.921	32
350	TLPW	27.68	515.2744	4	516.2805	28.77
351	TLQDRSIFNF	32.3	1239.625	10	620.8207	29.21
352	TLSGSPQ	21.82	688.3392	7	689.3485	29.65
353	TLVML	20.03	575.3353	5	576.3386	31.26
354	TPDSRCCNIP	24.63	1104.469	10	553.2386	31.49
355	TPLLTL	27.12	656.4109	6	657.4183	36.05
356	TPVSS	24.94	489.2435	5	490.2477	41.32
357	TRK	20.85	403.2543	3	404.264	38.31
358	TRQYMLP	20.56	907.4586	7	454.7349	27.27
359	TTFATSGKAVDGISNS- QWVAGSCASTHSEQ	25.83	3026.368	30	606.2826	20.47
360	TTQ	32.67	348.1645	3	349.1714	49.02
321	SLI	23.45	331.2107	3	332.2195	52.65
322	SLLHIL	24.95	694.4377	6	348.2259	33.38
323	SLLS(+162.05)SGF	29.58	871.4174	7	436.7169	29.45
324	SPI	32.53	315.1794	3	316.1861	39.59
325	SPSSS	35.4	463.1914	5	464.1944	43.7
326	SSH	22.32	329.1335	3	330.1403	9.07
327	SST	22.38	293.1223	3	294.1305	52.82
328	STQ	27.7	334.1489	3	335.156	45.61
329	SVEGQLEFR	41.33	1063.53	9	532.772	25.54
330	SWRDEF	25.42	838.361	6	420.1876	27.91
331	T(+27.99)LDDKDPL	21.05	943.4498	8	472.7317	29.77
332	TCK	25.7	350.1624	3	351.1699	43.65
333	TELTETQQ	29.73	948.44	8	475.2299	24.51
334	TFIF	25.15	526.2791	4	527.2871	40.14
335	TFLF	25.15	526.2791	4	527.2871	40.14
336	TGIFIICH	39.57	902.4684	8	903.4771	27.8
337	TGPSYEVK	21.37	879.4338	8	880.4432	25.21
338	TGVAS	35.71	433.2173	5	434.2206	46.92
339	TGVDV	24.19	489.2435	5	490.2477	41.32
340	TIGGVL	25.07	558.3377	6	559.3446	30.62
341	TIGGVLL	26.83	671.4218	7	672.4288	31.54
342	THILL	23.99	571.3945	5	572.4019	38.54
343	TIYGGVGSPL	22.29	962.5073	10	482.261	24.68
344	TK(+42.01)VIGIDLD	24.16	1014.56	9	508.2873	25.46
345	TLDDK(+226.08)DPL	22.96	1141.533	8	571.7704	36.67
346	TLDDKDPL	32.22	915.4549	8	458.7354	38.56
347	TLGLF	20.47	549.3162	5	550.3232	39.21

348	TLHLKEDQVE	22.17	1210.619	10	606.3128	32.3
349	TLKEWNNIIFP	21.5	1373.734	11	458.921	32
350	TLPW	27.68	515.2744	4	516.2805	28.77
351	TLQDRSIFNF	32.3	1239.625	10	620.8207	29.21
352	TLSGSPQ	21.82	688.3392	7	689.3485	29.65
353	TLVML	20.03	575.3353	5	576.3386	31.26
354	TPDSRCCNIP	24.63	1104.469	10	553.2386	31.49
355	TPLLTL	27.12	656.4109	6	657.4183	36.05
356	TPVSS	24.94	489.2435	5	490.2477	41.32
357	TRK	20.85	403.2543	3	404.264	38.31
358	TRQYMLP	20.56	907.4586	7	454.7349	27.27
359	TTFATSGKAVDGISNS- QWVAGSCASTHSEQ	25.83	3026.368	30	606.2826	20.47
360	TTQ	32.67	348.1645	3	349.1714	49.02
361	TVAGHD(+43.99)KR	20.11	926.457	8	464.2357	17.47
362	TVAGHDKRFD- AVC(+58.01)GTFSGP	20.39	2021.927	19	506.4873	19.02
363	TVI	28.38	331.2107	3	332.2195	52.65
364	TVII	39.51	444.2948	4	445.3019	33.17
365	TVIL	39.51	444.2948	4	445.3019	33.17
366	TVK	31.68	346.2216	3	347.2307	47.49
367	TVL	28.38	331.2107	3	332.2195	52.65
368	TVLL	39.51	444.2948	4	445.3019	33.17
369	TVLLL	27.39	557.3788	5	558.3862	37.14
370	TYDLIS(+164.06)N	23.71	988.4518	7	989.4581	30.02
371	TYDLIS(+164.06)NLT	24.39	1202.584	9	602.2985	32.67
372	VGLF	33.62	434.2529	4	435.2604	31.37
373	VGLFE	21.2	563.2955	5	564.3026	33.28
374	VIFP	24.68	474.2842	4	475.2915	31.2
375	VIGIDL	24.03	628.3796	6	629.3867	35.61
376	VIII	29.26	456.3311	4	457.3384	33.97
377	VLLL	29.26	456.3311	4	457.3384	33.97
378	VNTA	25.68	403.2067	4	404.2127	58.71
379	VPR	23.49	370.2328	3	371.2401	53.22
380	VQLL	21.68	471.3057	4	472.3129	31.43
381	VRP	24.83	370.2328	3	371.2404	39.6
382	VSLF	22.36	464.2635	4	465.271	30.63
383	VVA	26.48	287.1845	3	288.1927	42.49
384	VVCH	41.8	456.2155	4	457.2208	50.84
385	VVDSEDLP	29.4	872.4127	8	873.4199	24.97
386	VVV	31.27	315.2158	3	316.2243	52.92
387	VYDTLDP	25.41	821.3807	7	822.3874	34.79
388	VYIP	24.94	490.2791	4	491.2832	50.76
389	WALMNYEAV	23.42	1095.506	9	1096.512	39.2

390	WDDPW(+15.99)A	22.33	804.3079	6	805.3147	35.09
391	WLKYAS	20.39	766.4014	6	384.2075	39.28
392	WLL	30.63	430.258	3	431.2659	37.76
393	WPF	40.38	448.211	3	449.2182	37.86
394	WVGEQM	28.51	748.3214	6	749.3282	29.76
395	WYV	21.01	466.2216	3	467.2291	36.05
396	YCT	20.64	385.1308	3	386.1384	38.84
397	YFI	31.35	441.2263	3	442.2338	31.24
398	YGS	22.38	325.1274	3	326.1338	45.49
399	YII	22.68	407.242	3	408.2492	52.09
400	YLL	22.68	407.242	3	408.2492	52.09
401	YLVGL	31.47	563.3319	5	564.3394	33.73
402	YQKSTELLIR	52.42	1249.703	10	417.5753	22.11
403	YRP	26.37	434.2278	3	435.2352	39.66
404	YVLI	27.8	506.3104	4	507.3185	33.04
