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The 2021 Billionaire Name Peptides

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Abstract

The 2021 Forbes list of the world's billionaires contains 2,755 names. A subset of these names was used as a source of letter sequences for the name-to-peptide method to design 702 name peptides. The name peptides ranged in length from 4-24 amino acids, with an average length of 11 amino acids. 67 of the 702 name peptides (9.5%) were found to occur in their entirety in the National Center of Biotechnology Information's non-redundant protein database with some occurring only once, but several occurring more than 5,000 times, and all were parts of the amino acid sequences of larger proteins. Of the remaining 635 name peptides, 256 (40%) contained the amino acid, selenocysteine. The algorithm used for searching the non-redundant protein database does not locate amino acid sequences containing selenocysteine. Consequently, none of the selenocysteine-containing name peptides were found in their entirety in the database. However, a portion of each of these name peptides was found in the database, with an average of 66% percent identity between search and found sequences. A separate search of a protein database of selenocysteine-containing proteins, SelenoDB 1.0, did not locate any of the 256 selenocysteine-containing name peptides. The remaining 379 name peptides (60%) did not occur in their entirety in the protein database and did not contain selenocysteine. A search of the protein database for these peptides resulted in an average 76% identity between the search and found sequences.

An example of the potential utility of these name peptides is illustrated by the fact that 35 of them contain either a CendR motif (6 peptides) or a cryptic CendR motif, which might enable their use as inducers of cell internalization and tissue penetration, and targeted drug delivery.

Further study of the 702 name peptides would be facilitated by their creation using biological or chemical synthetic methods. The 446 name peptides (64%) that did not contain selenocysteine could be created with either biological or chemical synthetic techniques. However, biological methods would only enable their creation as peptides containing L-amino acids, whereas chemical synthetic methods would enable their creation as peptides containing either all-L or all-D amino acids, or any combination of L- and D-amino acids. The 256 selenocysteine-containing peptides could only be created with chemical synthetic methods.

Introduction and Methods

Amino acids, peptides, and proteins

Peptides and proteins are polymers of amino acids (AAs) that have essential roles in the maintenance of life (Figure 1) [1]. A well-known example of a peptide is the hormone, insulin, which is produced by the pancreas and involved in the regulation of carbohydrate and lipid metabolism.

Figure 1. Peptides and proteins are polymers of amino acids (AAs) (O) linked by chemical bonds (-) [1]. If the polymer contains less than 100 AAs, it is called a peptide, and if it contains more than 100 AAs, it is called a protein.

Etc.-O-Etc.

Table 1. The International Union of Pure and Applied Chemistry-International Union of Biochemistry and Molecular Biology, Joint Commission on Biochemical Nomenclature (IUPAC-IUBMB, JCBN) single letter symbols for the names of AAs [2-4]. The letters/symbols B, X and Z (not shown) are ambiguous, representing more than one AA, and the letters/symbols J and O (not shown) have not been assigned.

Systematic name	Trivial name	Symbol
2-Aminopropanoic acid	Alanine	A
2-Amino-3-mercaptopropanoic acid	Cysteine	C
2-Aminobutanedioic acid	Aspartic acid	D
2-Aminopentanedioic acid	Glutamic acid	E
2-Amino-3-phenylpropanoic acid	Phenylalanine	F
Aminoethanoic acid	Glycine	G
2-Amino-3-(1 <i>H</i> -imidazol-4-yl)-propanoic acid	Histidine	H
2-Amino-3-methylpentanoic acid	Isoleucine	I
2,6-Diaminohexanoic acid	Lysine	K
2-Amino-4-methylpentanoic acid	Leucine	L
2-Amino-4-(methylthio)butanoic acid	Methionine	M
2-Amino-3-carbamoylpropanoic acid	Asparagine	N
Pyrrolidine-2-carboxylic acid	Proline	P
2-Amino-4-carbamoylbutanoic acid	Glutamine	Q
2-Amino-5-guanidinopentanoic acid	Arginine	R
2-Amino-3-hydroxypropanoic acid	Serine	S
2-Amino-3-hydroxybutanoic acid	Threonine	T
2-Amino-3-selanylpropanoic acid	Selenocysteine	U
2-Amino-3-methylbutanoic acid	Valine	V
2-Amino-3-(1 <i>H</i> -indol-3-yl)-propanoic acid	Tryptophan	W
2-Amino-3-(4-hydroxyphenyl)-propanoic acid	Tyrosine	Y

(Continued from page 1:)

English language and the IUPAC-IUBMB, JCBN symbols for AAs

The English language is a rich source of letter sequences that can be used to design novel peptides and proteins. This is possible because the International Union of Pure and Applied Chemistry-International Union of Biochemistry and Molecular Biology, Joint Commission on Biochemical Nomenclature (IUPAC-IUBMB, JCBN) uses single letters of the English alphabet as symbols for the names of AAs (Table 1 [2-4]). There are 21 AAs that commonly occur in proteins, and the IUPAC-IUBMB, JCBN system assigns all but 5

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of the 26 letters of the English alphabet to unambiguously represent the 21 AAs. The letters B, X, and Z have ambiguous assignments (i.e., can represent more than one type of AA), and the letters, J and O, have not been assigned to any AA. Strings of single letters symbolize sequences of AAs linked by chemical bonds to form peptides and proteins (Figure 1). This symbolism has been in worldwide use for decades, is well known in the chemical and biological research communities and is used to store the AA sequences of hundreds of millions of proteins in computer databases.

Name peptides

The concept of name peptides was first published in 2003 and has since been developed into a methodology for designing and producing novel peptides with interesting and potentially useful properties [5-22]. Briefly, a name is considered as a string of letters, each of which corresponds to an IUPAC-IUBMB, JCBN symbol for the name of an AA. Since 3 letters of the English alphabet (B, X, and Z) have ambiguous IUPAC-IUBMB, JCBN assignments, and 2 (J and O) have no assignments, any name containing the letters B, J, O, X, or Z is excluded from consideration. Spaces, hyphens, and any other modifiers of names (e.g., Sr., Jr., II, III, & family, etc.) are removed so that the result is a single linear sequence of letters. The sequence of letters is then considered to be a sequence of symbols for AAs, and the entire AA sequence is considered a name peptide.

The 2021 Forbes List of the World's Billionaires as a source of name peptides

Forbes magazine publishes an annual list of persons who have a net worth of \$1 billion (US) or more [23]. The 2021 list contains 2,755 names, and the combined net worth of these persons is \$13.1 trillion (US). This study utilized the 2021 Forbes list and name-to-peptide methodology to design 702 novel peptides.

Database searches

Searches were then done of the National Center of Biotechnology Information's (NCBI's) non-redundant protein database [24] and a database of selenocysteine-containing proteins, SelenoDB 1.0 [25], for the occurrence of each of the 702 name peptides.

CendR motif searches

It may be possible to predict the biological properties of name peptides. For example, it has been found that peptides that contain the so-called, C-end Rule or CendR motif (i.e., R/K-X-X-R/K at the carboxyl terminal end of the peptide, where R is Arginine, K is Lysine, and X can be any AA), induce cell internalization and tissue penetration, and may be useful in targeted drug delivery [26-31]. Peptides that contain the motif internally, and not at the C-terminal end of the peptide, so-called cryptic peptides, are inactive, but can be activated by proteolytic cleavage that results in a product with the CendR motif. The 702 name peptides were searched for the occurrence of the CendR motif.

Results and Discussion

Use of the name-to-peptide methodology with the 2021 Forbes list of billionaires produced 702 name peptides (Figure 2). These peptides ranged in length from 4-24 AAs, with an average length of 11 AAs (Tables 2-4). Table 2 lists 67 of the 702 name peptides (~10%) that were found to occur in their entirety in the NCBI protein database. Some occurred only once, but several occurred more than 5,000 times, and all were parts of the AA sequences of larger proteins.

Of the remaining 635 name peptides, 256 contained the AA, selenocysteine, which has the IUPAC-IUBMB, JCBN symbol, U (Table 3). The algorithm used for searching the NCBI protein database does not locate sequences containing the letter/symbol U. Consequently, none of the name peptides containing the letter/symbol, U, were found in their entirety in the database. A portion of each of these U-containing name peptides was found in the database, and the percent identity between search and found sequences was an average (\pm standard deviation) of 66 (± 12)%. A separate search of a protein database of selenocysteine-containing proteins, SelenoDB 1.0, did not locate any of the 256 U-containing name peptides.

The remaining 379 name peptides (Table 4), which did not contain the letter/symbol, U, also were found as partial sequences in the NCBI database, and the percent identities between search and found sequences was an average (\pm std. dev.) of 76 (± 11)%.

Figure 3 shows a comparison of the percent occurrence of each AA (i.e., each IUPAC-IUBMB, JCBN symbol) in name peptides with their occurrence in mammalian vertebrate membrane and non-membrane proteins, and, also, the percent occurrence of each English alphabet letter in English language text [32, 33]. A comparison of the IUPAC-IUBMB, JCBN AA symbol occurrence in billionaire name peptides with English alphabet letter occurrence in English language text has no obvious value since the symbols/letters represent different entities, and 5 English alphabet letters are missing from the IUPAC-IUBMB, JCBN symbol system. However, for the sake of completeness it is noted that the average difference between the percent occurrences of 21 letters and 21 symbols was 1.5 (± 1.4)%, with the greatest difference being for the letters/symbols E and T. A comparison of the occurrence of IUPAC-IUBMB, JCBN symbols in billionaire name peptides with their occurrence in mammalian vertebrate (membrane and non-membrane) proteins is valid because the symbols have the same meaning for both entities. In this case, the average difference between the percent occurrences of 20 symbols (symbol U excluded) in peptides and proteins was 2.6 (± 1.6)%, with the greatest differences occurring for the AAs, I, L, N, P, and V.

Table 5 shows the results of a search of all 698 name peptides for the CendR motif. Six name peptides contain the motif (TEDLERNER, TYWARNER, SEANPARKER, STEWARTRAHR, TEDTURNER, and NANCYLERNER), and might be expected to exhibit the properties described above for CendR peptides. Another 29 name peptides contain cryptic CendR motifs and could produce CendR peptides upon proteolytic degradation.

(Text continues on page 35.)

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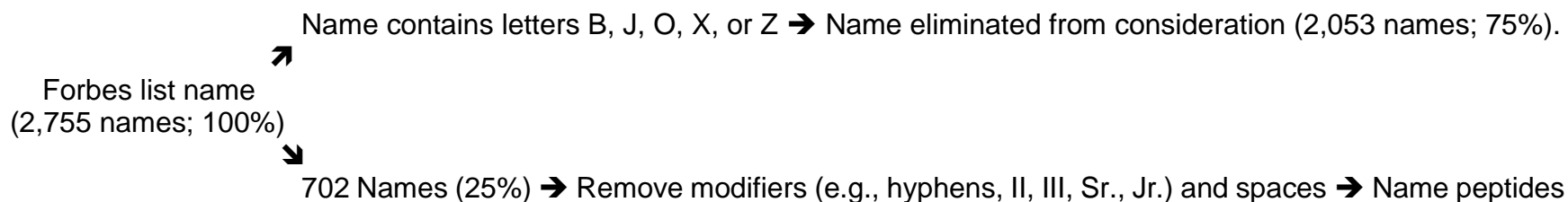
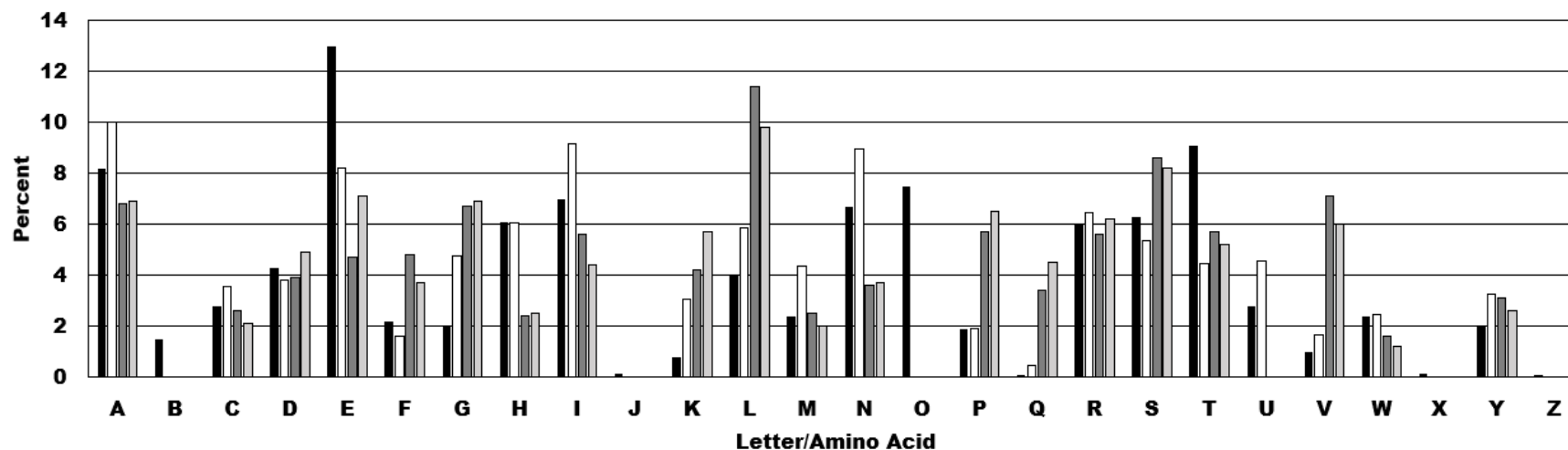
Figure 2. Process used to create name peptides from the 2021 Forbes list of the world's billionaires.

Figure 3. Comparison of the percent occurrences of English alphabet letters/IUPAC-IUBMB, JCBN AA symbols in English language text (■), 2021 billionaire name peptides (□), and mammalian vertebrate membrane (■) and nonmembrane (□) proteins. Note that the letters/symbols B, J, O, X and Z are not included among the 21 unambiguous IUPAC-IUBMB, JCBN single letter symbols, or among the vertebrate membrane and nonmembrane proteins data.



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Table 2. 67 of the 2,755 2021 billionaire name peptides occurred in their entirety in the NCBI non-redundant protein sequence database [24]. The database contained 423,704,643 protein sequences as of August 21, 2021.

Number	Name	Name Peptide	Number in Database	Order in this table	Name	Name Peptide	Number in Database
1	Larry Page	LARRYPAGE	3	18	Lee Yin Yee	LEEYINYEE	1
2	Wang Wei	WANGWEI	9	19	Fang Wei	FANGWEI	42
3	Pang Kang	PANGKANG	29	20	Li Li*	LILI	2
4	Lee Man Tat	LEEMANTAT	1	21	Pan Laican	PANLAICAN	28
5	Qi Shi	QISHI	>5,000	22	Erik Selin	ERIKSELIN	1
6	Li Ge	LIGE	>5,000	23	Ty Warner	TYWARNER	6
7	Tse Ping	TSEPING	188	24	Deng Wen	DENGWEN	25
8	Dan Cathy	DANCATHY	1	25	Tahir	TAHIR	5,061
9	Gang Ye	GANGYE	>4000	26	Thai Lee	THAILEE	257
10	Wang Ning	WANGNING	5	27	Peter Lim	PETERLIM	6
11	Li Wa	LIWA	>5,017	28	Gil Shwed	GILSHWED	7
12	Li Ping	LIPING	>4,600	29	Hans Sy	HANSSY	979
13	An Kang	ANKANG	>5,000	30	Tian Ming	TIANMING	8
14	Neil Shen	NEILSHEN	5	31	Ye Fan	YEFAN	>5,005
15	Kate Wang	KATEWANG	7	32	Harley Sy	HARLEYSY	3
16	Lin Li	LINLI	>5,065	33	Henry Sy	HENRYSY	19
17	Daniel Ek	DANIELEK	34	34	Kishin RK	KISHINRK	5

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Table 2 (continued). 67 of the 702 billionaire name peptides occurred in their entirety in the NCBI non-redundant protein sequence database [24]. The database contained 423,704,643 protein sequences as of August 21, 2021.

Number	Name	Name Peptide	Number in Database	Order in this table	Name	Name Peptide	Number in Database
35	T.Y. Tsai	TYTSAI	2,786	51	He Yamin	HEYAMIN	5
36	David Hains	DAVIDHAINS	24	52	Liang Qin	LIANGQIN	23
37	K. Dinesh	KDINESH	34	53	Feng Yi	FENGYI	2,143
38	Qian Ying	QIANYING	42	54	Li Tan	LITAN	>5,000
39	Ray Davis	RAYDAVIS	11	55	Ma Renhe	MARENHE	40
40	Li Weiwei	LIWEIWEI	2	56	Yang Keng	YANGKENG	5
41	Andy Fang	ANDYFANG	9	57	Kim Dae-il	KIMDAEIL	3
42	Li Min	LIMIN	>5,009	58	G.V. Prasad	GVPRASAD	37
43	Tan Lili	TANLILI	286	59	Wan Feng	WANFENG	13
44	Pan Gang	PANGANG	>989	60	Weili Dai	WEILIDAI	2
45	P.P. Reddy	PPREDDY	44	61	Wang Han	WANGHAN	5
46	Hamdi Akin	HAMDIAKIN	1	62	Dan Wilks	DANWILKS	2
47	Alan Gerry	ALANGERRY	2	63	Ina Chan	INACHAN	4
48	Arvind Lal	ARVINDLAL	1	64	GT Dave	GTDAVE	>5,007
49	Ye Cheng	YECHENG	11	65	Li Yinan	LIYINAN	55
50	He Ningning	HENINGNING	1	66	Vlad Tenev	VLADTENEV	3

*Note: The name Li Li occurs twice in the 2021 Forbes list of the world's billionaires and represents two different individuals.

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Table 3. 256 of the 702 billionaire name peptides contained the AA, selenocysteine, symbolized by the letter, U. These peptides could not be found in their entirety with the algorithm used for searching the NCBI non-redundant protein sequence database. Examples of the sequences found are listed below. Average percent identity was 66 (± 12)%. A separate search of SelenoDB [25], a database containing 3,400 proteins with selenocysteine, also failed to locate any of these peptides.

Number	Name	Name Peptide	Sequence Found	% Identity
1	Ma Huateng	MAHUATENG	_AH_ATENG	78
2	Lee Shau Kee	LEESHAUKEE	L_ESHA_KEE	80
3	Yang Huiyan	YANGHUIYAN	Y_NGH_IYA_	70
4	Hui Ka Yan	HUIKAYAN	H_IKAYA_	75
5	Susanne Klatten	SUSANNEKLATTEN	___NEKLATTEN	64
6	Klaus-Michael Kuehne	KLAUSMICHAELKUEHNE	_LA_S_C_ELK_E	44
7	Stefan Quandt	STEFANQUANDT	_TEF_NQ_AND_	67
8	Li Shufu	LISHUFU	LISH_F_	71
9	Su Hua	SUHUA	S_H_A	60
10	Wang Chuanfu	WANGCHUANFU	WAN_CH_N_	55
11	Eric Yuan	ERICYUAN	_RICY_AN	75
12	Finn Rausing	FINNRAUSING	FIN_RA_SI_	64
13	Kirsten Rausing	KIRSTENRAUSING	_I_S_ENRA_SI_G	64
14	David Duffield	DAVIDDUFFIELD	_VIDD_F_IEL_	62
15	Huang Shilin	HUANGSHILIN	__ANGSHILI_	73
16	Andreas Struengmann	ANDREASSTRUENGMANN	ANDREASSTR_____	56
17	Wang Laichun	WANGLAICHUN	WA_GL_ICH_	64
18	Sunil Mittal	SUNILMITTAL	__NILMITTAL	82
19	Cai Kui	CAIKUI	CAIK_I	83
20	Hui Wing Mau	HUIWINGMAU	__IWINGMA_	70
21	Liu Hanyuan	LIUHANYUAN	L___ANY_A_	50
22	Quek Leng Chan	QUEKLENGCHAN	Q_EKLENG_H_	67
23	Yeung Kin-man	YEUNGKINMAN	_E_NG_I_MAN	64
24	David Sun	DAVIDSUN	DAVIDS_N	88

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Table 3 (continued). 256 of the 702 billionaire name peptides contained the AA, selenocysteine (U).

Number	Name	Name Peptide	Sequence Found	% Identity
25	Kuldip Singh	KULDIPSINGH	__LDIPSINGH	82
26	Kushal Pal Singh	KUSHALPALSINGH	K_SHALPAL__	57
27	Frederik Paulsen	FREDERIKPAULSEN	__REDERIK_A__	53
28	Ruan Liping	RUANLIPING	R_AN_IPIN_	70
29	Laurent Dassault	LAURENTDASSAULT	__NTDASSA_LT	60
30	Thierry Dassault	THIERRYDASSAULT	_HIERRYDA_A__	60
31	Manuel Villar	MANUELVILLAR	_A_ELV_LLAR	67
32	Ralph Lauren	RALPHLAUREN	RALP_LA_REN	82
33	Li Hua	LIHUA	LIH_A	80
34	Ludwig Merckle	LUDWIGMERCKLE	__DWI_ERCK__	54
35	Murali Divi	MURALIDIVI	M_RALID_V_	70
36	Chu Mang Yee	CHUMANGYEE	CH__NGY_E	60
37	Pauline MacMillan Keinath	PAULINEMACMILLANKEINATH	__CMILL_NKEIN__	44
38	Murat Ulker	MURATULKER	M_RAT_LK	75
39	Mike Adenuga	MIKEADENUGA	_I_EADEN_GA	73
40	Huang Li	HUANGLI	H_ANGLI	88
41	Henry Samueli	HENRYSAMUELI	HENRY_A_E__	58
42	Guenther Fielmann	GUENTHERFIELMANN	__EN_HERF_E_MA__	56
43	Andrei Guriev	ANDREIGURIEV	__REIG_RIEV	67
44	Isaac Perlmutter	ISAACPERLMUTTER	_SAACP_LM_T__	53
45	Randa Duncan Williams	RANDADUNCANWILLIAMS	__C_NWILLI_S	42
46	Chen Fashu	CHENFASHU	C_ENFASH_	78
47	Chen Rui	CHENRUI	CHENR_I	86
48	Li Chunan	LICHUNAN	LICH_NA_	75
49	Andrew Currie	ANDREWCURRIE	__DREW__RR_E	58
50	Stanley Druckenmiller	STANLEYDRUCKENMILLER	__DR_CK_N_ILL_R	45
51	Hasmukh Chudgar	HASMUKHCHUDGAR	__SM_KHCH__	43

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Table 3 (continued). 256 of the 702 billionaire name peptides contained the AA, selenocysteine (U).

Number	Name	Name Peptide	Sequence Found	% Identity
52	Shu Ping	SHUPING	SH_PING	86
53	Alceu Elias Feldmann	ALCEUELIASFELDMANN	___EL_SFELDMA__	50
54	Terrence Pegula	TERRENCEPEGULA	TERRE_CE_G__	57
55	Yasumitsu Shigeta	YASUMITSUSHIGETA	___ITS_SHIG_TA	56
56	Huang Yi	HUANGYI	H_ANGYI	86
57	Yuri Milner	YURIMILNER	__RIMILNE_	70
58	M.A. Yusuff Ali	MAYUSUFFALI	MA__S_FF_LI	64
59	Luis Frias	LUISFRIAS	__ISFRIAS	78
60	Miuccia Prada	MIUCCIAPRADA	___CCIAPRADA	75
61	Paul Singer	PAULSINGER	PA_L_I_GER	70
62	Fu Liquan	FULIQUAN	F_LIQ_A_	63
63	Ray Lee Hunt	RAYLEEHUNT	RAYLEEH___	70
64	Martin Lau	MARTINLAU	MARTI_LA_	78
65	Liu Fangyi	LIUFANGYI	LI_FANGY	88
66	Laurence Graff	LAURENCEGRAFF	_A_RENC_GR_F_	62
67	William Lauder	WILLIAMLAUDER	WILLI_MLA___	62
68	Samuel Yin	SAMUELYIN	__M_ELYIN	67
69	Qiu Guanghe	QIUGUANGHE	_I_G_ANG_E	60
70	Ugur Sahin	UGURSAHIN	___RSAHIN	67
71	Du Weimin	DUWEIMIN	D_WEIMI_	75
72	Paul Gauselmann	PAULGAUSELMANN	_A_LG__S_LM_N_	50
73	Euisun Chung	EUISUNCHUNG	E_I__NCH___	46
74	Aerin Lauder	AERINLAUDER	AERINL___R	64
75	Shaul Shani	SHAULSHANI	SH_LSHANI	80
76	Nusli Wadia	NUSLIWADIA	___SLIWADI_	70
77	Russ Weiner	RUSSWEINER	___SSWEINE_	70
78	Austen Cargill	AUSTENCARGILL	A___E_CARGILL	69

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Table 3 (continued). 256 of the 702 billionaire name peptides contained the AA, selenocysteine (U).

Number	Name	Name Peptide	Sequence Found	% Identity
79	Chu Lam Yiu	CHULAMYIU	CH_L_MYI_	67
80	Samuel Tak Lee	SAMUELTALEE	_M_ELTALEE	75
81	Yuan Liping	YUANLIPING	Y_ANLIPI_	70
82	Chuchat Petaumpai	CHUCHATPETAUMPAI	_H_C_ATPETA__	50
83	N.R. Narayana Murthy	NRNARAYANAMURTHY	___AYA_AM_RTHY	56
84	Lynn Schusterman	LYNNSCHUSTERMAN	___SCH_STERM_N	60
85	Tung Chee Chen	TUNGCHEECHEN	_N_CHEECHE_	67
86	Chi Yufeng	CHIYUFENG	CHIY_FENG	89
87	Gu Yuhua	GUYUHUA	G_Y_H_A	57
88	Nie Tengyun	NIETENGYUN	_ETENGY_N	70
89	Gudrun Heine	GUDRUNHEINE	_DR_N_EI_E	55
90	Huang Rulun	HUANGRULUN	_ANG_L_N	50
91	Fu Guangming	FUGUANGMING	F_G_ANGM__	55
92	Sudhir Mehta	SUDHIRMEHTA	S_DHIRME__	64
93	Lucy Peng	LUCYPENG	L_CYPEN_	75
94	Paul Sciarra	PAULSCIARRA	PA_LSC_AR__	64
95	Chen Hua	CHENHUA	CHENH_	83
96	Chen Huwen	CHENHUWEN	_HENH_WE_	67
97	Li Liufa	LILIUFA	LILI_FA	86
98	Liu Ming Hui	LIUMINGHUI	_MINGH__	50
99	Rudy Ma	RUDYMA	R_DYMA	83
100	Kenneth Tuchman	KENNETHTUCHMAN	_NNETHT_C__	50
101	Nan Cunhui	NANCUNHUI	NANC_N_I	67
102	Su Suyu	SUSUYU	S_S_Y_	50
103	K.C. Liu	KCLIU	KCLI_	80
104	Yuri Shefler	YURISHEFLER	Y_RIS_EFLE_	73
105	Shum Chiu Hung	SHUMCHIUHUNG	_MCHI_H__	42

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Table 3 (continued). 256 of the 702 billionaire name peptides contained the AA, selenocysteine (U).

Number	Name	Name Peptide	Sequence Found	% Identity
106	Tung Chee Hwa	TUNGCHEEHWA	T_NGCHE____	55
107	Wu Guangming	WUGUANGMING	W_G__NGM__	45
108	Mikhail Gutseriev	MIKHAILGUTSERIEV	MIK_AI____SERI__	56
109	Hu Kun	HUKUN	H_K_N	60
110	Lin Ming-hsiung	LINMINGHSIUNG	____M_NGHSI_G	54
111	Sun Mengquan	SUNMENGQUAN	____MENGQ_AN	64
112	Daniel Sundheim	DANIELSUNDHEIM	__ANI_L__N_HEIM	64
113	Peter Unger	PETERUNGER	____TER_NGER	70
114	Fu Mingkang	FUMINGKANG	____MINGKA_G	70
115	Madhukar Parekh	MADHUKARPAREKH	____D_KARPAR_K__	57
116	Dmitry Pumpyansky	DMITRYPUMPYANSKY	____T_YP_MPYA____	44
117	Austin Russell	AUSTINRUSSELL	____INR_SSELL	62
118	Eiichi Kuriwada	EIICHIKURIWADA	E____IK_R_WAD__	50
119	Liu Ming Chung	LIUMINGCHUNG	LI_M_NGC____	50
120	Eugene Murtagh	EUGENEMURTAGH	E_GE__M_RT____	46
121	Karl Scheufele	KARLSCHUEFELE	____SCHE_FELE	62
122	Sun Huaiqing	SUNHUIQING	____NH_IQING	64
123	Katsumi Tada	KATSUMITADA	KATS_M__AD__	64
124	Ted Turner	TEDTURNER	TE_T_RNER	78
125	Yadu Hari Dalmia	YADUHARIDALMIA	Y_D_HARIDA____	57
126	Gu Wei	GUWEI	G_WEI	80
127	Huang Guanlin	HUANGGUANLIN	H__N_G_ANLI__	58
128	Huang Wei	HUANGWEI	H__NGWEI	75
129	Hui Lin Chit	HUILINCHIT	____ILINCHI__	70
130	Miguel Krigsner	MIGUELKRIGSNER	MI__ELKR_GS____	57
131	David McMurtry	DAVIDMCMURTRY	____DMCM_RTR__	54
132	Mi Enhua	MIENHUA	MIENH_A	86

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Table 3 (continued). 256 of the 702 billionaire name peptides contained the AA, selenocysteine (U).

Number	Name	Name Peptide	Sequence Found	% Identity
133	Shashi Ruia	SHASHIRUIA	_HASH_R_IA	70
134	Ravi Ruia	RAVIRUIA	RAVIR_I_	75
135	Vlad Shmunis	VLADSHMUNIS	___DSHM_NI_	55
136	Peter Spuhler	PETERSPUHLER	PET_RSP_H___	58
137	Tang Yiu	TANGYIU	TANGYI_	86
138	Wu Lanlan	WULANLAN	W_LANL_N	75
139	Wu Yiling	WUYILING	W_YILI_G	75
140	Gavril Yushvaev	GAVRILYUSHVAEV	GAV__LY_SHV_E_	64
141	Huang Shih Tsai	HUANGSHIHTSAI	__A_GSHIHT__	54
142	Mustafa Kucuk	MUSTAFAKUCUK	M_STAF_K___	50
143	Henry Laufer	HENRYLAUFER	HE_RYLA_FE_	73
144	Frank Laukien	FRANKLAUKIEN	___NKLA_KIEN	67
145	Lin Yinsun	LINYINSUN	LINYINS__	78
146	Phil Ruffin	PHILRUFFIN	__ILR_FFIN	70
147	Yuan Fugen	YUANFUGEN	Y_ANF_GEN	78
148	Ke Yunfeng	KEYUNFENG	KEY_NFEN_	78
149	Charles Munger	CHARLESMUNGER	__ARLE_M_NGE_	62
150	Pierre Karl Péladeau	PIERREKARLPELADEAU	___RR_K_RLPELADEA_	67
151	Arvind Tiku	ARVINDTIKU	ARVINDTIK_	90
152	Hamdi Ulukaya	HAMDILULKAYA	H_MD__L_K___	42
153	Wu Kai	WUKAI	W_KAI	80
154	Chen Tei-fu	CHENTEIFU	CHENTEIF_	89
155	Thierry Cruanes	THIERRYCRUANES	__IERRYC__N__	50
156	Yusuf Hamied	YUSUFHAMIED	__S_FHAMI_	55
157	Shmuel Harlap	SHMUELHARLAP	__M_ELHARL__	58
158	Arthur Irving	ARTHURIRVING	ART__RI_VING	75
159	Kurt Krieger	KURTKRIEGER	__RTKRIEGER	82

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Table 3 (continued). 256 of the 702 billionaire name peptides contained the AA, selenocysteine (U).

Number	Name	Name Peptide	Sequence Found	% Identity
160	Li Guangyu	LIGUANGYU	LIG__NGY__	67
161	Wei Yin-Chun	WEIYINCHUN	__YINCH_N	60
162	N. Murray Edwards	NMURRAYEDWARDS	__RRAYEDW__	50
163	Li Rucheng	LIRUCHENG	LIR_CHEN__	78
164	Tan Yu Yeh	TANYUYEH	T_NY_YEH	75
165	Wu Kaiting	WUKAITING	__KAITING	78
166	Chirayu Amin	CHIRAYUAMIN	__IRAY_AM_N	64
167	Chen Wenyuan	CHENWENYUAN	CHE_WENY__	64
168	Daniel Chiu	DANIELCHIU	_ANIELCHI_	80
169	Giammaria Giuliani	GIAMMARIAGIULIANI	__RIAG_LIA_I	47
170	Said Gutseriev	SAIDGUTSERIEV	__IDG_T_ERIEV	69
171	Lu Di	LUDI	(G)L_DI	75
172	Narendrakumar Parekh	NARENDRAKUMARPAREKH	__R_K_MARPAREKH	58
173	Tung Ching Sai	TUNGCHINGSAI	T_NGCH_NGSA_	75
174	Wu Ying	WUYING	W_YING	83
175	Wu Yulan	WUYULAN	W_Y__AN	57
176	Yang Yunyun	YANGYUNYUN	__NGY_NY_N	60
177	Chen Yung-tai	CHENYUNGTAI	CHENY_NG__	64
178	Geeta Gupta-Fisker	GEETAGUPTAFISKER	__PTAFISKER	56
179	Ke Guihua	KEGUIHUA	KEG_IH__	63
180	Liu Yingqi	LIUYINGQI	LI_YING_I	78
181	David Mindus	DAVIDMINDUS	D__IDMI_D_S	64
182	David Paul	DAVIDPAUL	DAVIDP__L	78
183	Shen Hua	SHENHUA	SHENH_A	86
184	Shigefumi Wada	SHIGEFUMIWADA	__EF_MIW_DA	54
185	Wang Qinghua	WANGQINGHUA	WANGQ_NGH__	73
186	Wu Yingming	WUYINGMING	W_YI__MING	70

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Table 3 (continued). 256 of the 702 billionaire name peptides contained the AA, selenocysteine (U).

Number	Name	Name Peptide	Sequence Found	% Identity
187	Yu Peidi	YUPEIDI	Y_PEIDI	86
188	Huang Wen Tsai	HUANGWENTSAI	_ANGWEN_SA_	67
189	Gary Lauder	GARYLAUDER	GARYLA_E_	70
190	Duncan MacMillan	DUNCANMACMILLAN	_C_MACMILLA_	60
191	Marius Nacht	MARIUSNACHT	MARI_SNA__	64
192	Sushilkumar Parekh	SUSHILKUMARPAREKH	___K_MARPAREKH	63
193	Mark Pincus	MARKPINCUS	MARKPI_C__	70
194	Steven Schuurman	STEVENSCHUURMAN	_TEVENSCH_____	53
195	Sun Qinghuan	SUNQINGHUAN	S_QINGH__	55
196	Luc Tack	LUCTACK	L_CTACK	86
197	Wang Huiwen	WANGHUIWEN	_ANGH_IW_N	70
198	Anu Aga	ANUAGA	AN_AGA	83
199	Nigel Austin	NIGELAUUSTIN	_I_ELA_STIN	73
200	Keith Dunleavy	KEITHDUNLEAVY	___TH_NLEAVY	62
201	Christine Knauf	CHRISTINEKNAUF	___STIN_KNA_F	57
202	Karl Knauf	KARLKNAUF	_ARLKNA_F	78
203	Liu Hua	LIUHUA	LI_H_A	60
204	Tan Ruiqing	TANRUIQING	_NR_IQING	70
205	Itaru Tanimura	ITARUTANIMURA	_A_ANIM_R_	46
206	Sunny Varkey	SUNNYVARKEY	___NYVARKEY	73
207	Richard Yuengling	RICHARDYUENGLING	___H_Y_ENGLING	56
208	Turgay Ciner	TURGAYCINER	T_RGAYCINE_	82
209	Du Shuanghua	DUSHUANGHUA	_SH_A_G_A	46
210	Fan Minhua	FANMINHUA	FANMIN_A	78
211	Feng Chenhui	FENGCHENHUI	___GCHENH__	55
212	Huang Dawen	HUANGDAWEN	H_ANGDAW__	70
213	Huang Shan	HUANGSHAN	H_ANGSHA_	78

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Table 3 (continued). 256 of the 702 billionaire name peptides contained the AA, selenocysteine (U).

Number	Name	Name Peptide	Sequence Found	% Identity
214	Liang Guangwei	LIANGGUANGWEI	LIA_GG_A_GW__	62
215	Ulrike Meister	ULRIKEMEISTER	_LRIKEMEIS__	64
216	Masaru Wasami	MASARUWASAMI	MASAR_W_SA__	67
217	Luis Enrique Yarur Rey	LUISENRIQUEYARURREY	____Q_YAR_RR__	32
218	Deng Hui	DENGHUI	DENGH_I	86
219	Huang Yimeng	HUANGYIMENG	_ANGYIMEN_	73
220	Eugene Kaspersky	EUGENEKASPERSKY	____EK_SPERSKY	60
221	Li Fengluan	LIFENGLUAN	L_FENGL_A_	70
222	Lu Shenglin	LUSHENGLIN	L_SHENGL__	70
223	Frederic Luddy	FREDERICLUDDY	FRE_ER_C_DD_	62
224	Muneaki Masuda	MUNEAKIMASUDA	____AKIMAS_DA	62
225	Nguyen Dang Quang	NGUYENDANGQUANG	_G_YEN__NGQ__	47
226	Duke Reyes	DUKEREYES	____KEREYES	78
227	Rustem Sulteev	RUSTEMSULTEEV	__STEM__TEE_	54
228	Laurie Tisch	LAURIETISCH	L__RIETIS__	64
229	Wang Shumin	WANGSHUMIN	WAN__H_MI_	60
230	Wu Li-gann	WULIGANN	W_LIGANN	88
231	Chen Yuantai	CHENYUANTAI	_HENY_ANT_I	73
232	Trudy Shan Dai	TRUDYSHANDAI	TR_D_SHA_DAI	75
233	Paul Fireman	PAULFIREMAN	____LFI_EMAN	64
234	Rahul Gautam	RAHULGAUTAM	____LGA_TAM	55
235	Martin Knauf	MARTINKNAUF	MARTINKN__	73
236	Eduard Kucera	EDUARDKUCERA	_D_A_DK_CE_	50
237	Liu Shenghui	LIUSHENGHUI	____HENGH_I	55
238	Lu Weiding	LUWEIDING	L_W_I_ING	67
239	Pu Shulin	PUSHULIN	P_SH_LIN	75
240	Qiu Lingyun	QIULINGYUN	_I_LINGY__	60

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Table 3 (continued). 256 of the 702 billionaire name peptides contained the AA, selenocysteine (U).

Number	Name	Name Peptide	Sequence Found	% Identity
241	Chanchai Ruayrungruang	CHANCHAIRUAYRUNGRUANG	___CHAIR__Y__NGR___	43
242	Daisuke Sasaki	DAISUKESASAKI	_AIS_KESAS_K_	64
243	Tan Yu Wei	TANYUWEI	TANY_WE_	75
244	Sunil Vachani	SUNILVACHANI	__NILV_CHANI	75
245	Anne Werninghaus	ANNEWERNINGHAUS	AN_EWE__INGH___	60
246	Wu Chung-yi	WUCHUNGYI	W_CH_NG__	56
247	Eugene Wu	EUGENEWU	__GENEW_	75
248	Wu Wei	WUWEI	W_WEI	80
249	Carmen Daurella Aguilera	CARMENDAURELLAAGUILERA	___EN__R_LLAAG__ER_	46
250	Mukand Lal Dua	MUKANDLALDUA	___ANDLALD_A	67
251	Ramesh Kumar Dua	RAMESHKUMARDUA	_MESHK_M_R__	50
252	Liu Qingfeng	LIUQINGFENG	L_Q_NGFEN_	64
253	Rafique Malik	RAFIQUEMALIK	R_FI__E_ALI_	58
254	Manny Stul	MANNYSTUL	MANNYS__L	89
255	Murat Vargi	MURATVARGI	M_RA_V_RGI	70
256	Vadim Yakunin	VADIMYAKUNIN	VA_IMY_K_NI_	67

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Table 4. 379 name peptides that do not occur in their entirety in the NCBI protein database, and do not contain the AA, selenocysteine (U).

Number	Name	Name Peptide	Sequence Found	% Identity
1	Phil Knight	PHILKNIGHT	PHILKNIG_T	90
2	Tadashi Yanai	TADASHIYANAI	TA_ASHIYAN__	75
3	Alain Wertheimer	ALAINWERTHEIMER	___NWE_THEIME_	60
4	Gerard Wertheimer	GERARDWERTHEIMER	_ER_RDWER_H_IMER_	75
5	Li Ka-shing	LIKASHING	LI_ASHING	89
6	Qin Yinglin	QINYINGLIN	_INY_NGLIN	80
7	William Lei Ding	WILLIAMLEIDING	___LIAML_IDING	71
8	Vladimir Lisin	VLADIMIRLISIN	___DIM_RLISIN	69
9	Gina Rinehart	GINARINEHART	_I_ARI_EHART	75
10	Shiv Nadar	SHIVNADAR	_HIVNADAR	89
11	Eric Schmidt	ERICSCHMIDT	_RICSCH_ID_	73
12	Radhakishan Damani	RADHAKISHANDAMANI	___KISHAND_MAN_	59
13	Ken Griffin	KENGRIFFIN	KENGRI_FIN	90
14	Ernest Garcia, II	ERNESTGARCIA	ERN_S_GARCI_	75
15	Carl Icahn	CARLICAHN	_ARLICAHN	89
16	Mikhail Fridman	MIKHAILFRIDMAN	M_KHAI_FRIDM__	71
17	Lakshmi Mittal	LAKSHMIMITTAL	LAKS_M_MIT_AL	77
18	David Tepper	DAVIDTEPPER	_AVIDTEPPE_	82
19	Liang Wengen	LIANGWENGEN	___ANGWENGEN	82
20	Philip Ng	PHILIPNG	PHILIPN_	88
21	Wang Wenyin	WANGWENYIN	WAN_WENY_N	80
22	Wang Liping	WANGLIPING	WANGLIPI_	80
23	Michael Platt	MICHAELPLATT	___HAELPLATT	75
24	Patrick Drahi	PATRICKDRAHI	PATRICKD___	67
25	Marcel Herrmann Telles	MARCELHERRMANNTELLES	___C_LHERR_A_NTE___	50
26	Evan Spiegel	EVANSPIEGEL	_VANSPIE_EL	82

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Table 4 (continued). 379 name peptides that do not occur in their entirety in the NCBI protein database, and do not contain the AA, selenocysteine (U).

Number	Name	Name Peptide	Sequence Found	% Identity
27	Dilip Shanghvi	DILIPSHANGHVI	_ILI_SHANGH__	69
28	Wang Laisheng	WANGLAISHENG	WA_GL_ISHE_G	75
29	Sunil Mittal	SUNILMITTAL	__NILMITTAL	82
30	German Khan	GERMANKHAN	_ERMANKHA_	80
31	Israel Englander	ISRAELEGLANDER	_SR_ELEN_LANDE_	73
32	Charles Ergen	CHARLESERGEN	CHARLE_ER_E_	75
33	David Geffen	DAVIDGEFFEN	__VIDGEFFEN	82
34	Lam Wai-ying	LAMWAIYING	__MWAIYIN_	70
35	Steven Rales	STEVENRALES	__EVENRALES	82
36	Sarath Ratanavadi	SARATHRATANAVADI	_ARATHRA_A_AVAD_	75
37	Chan Tan Ching-fen	CHANTANCHINGFEN	__NTANC_INGF__	60
38	Graeme Hart	GRAEMEHART	_RAEMEH_RT	80
39	Agnete Kirk Thinggaard	AGNETEKIRKTHINGGAARD	__ETEKIRK_IN__	45
40	Nassef Sawiris	NASSEFSAWIRIS	NASSE__AWIRI_	77
41	Diane Hendricks	DIANEHENDRICKS	__ANEHE_DRIC__	64
42	Shahid Khan	SHAHIDKHAN	S_AHIDKHA_	80
43	Takahisa Takahara	TAKAHISATAKAHARA	TA_AHI_ATA_A_ARA	75
44	Pamela Mars	PAMELAMARS	P_MELAMARS	90
45	Valerie Mars	VALERIEMARS	VAL_RIEM_RS	82
46	David Green	DAVIDGREEN	DAVIDGR_EN	90
47	Ernest Garcia, III	ERNESTGARCIA	ERN_S_GARCI_	75
48	Vicky Safra	VICKYSAFRA	VICKYSAF__	80
49	Henry Kravis	HENRYKRAVIS	_ENRYKR__IS	73
50	David Shaw	DAVIDSHAW	DAVID_HAW	89
51	Stewart Resnick	STEWARTRESNICK	__EWARTRES_I_	64
52	Lynda Resnick	LYNDARESINICK	_Y_DARESINIC_	75

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Table 4 (continued). 379 name peptides that do not occur in their entirety in the NCBI protein database, and do not contain the AA, selenocysteine (U).

Number	Name	Name Peptide	Sequence Found	% Identity
53	Richard Kinder	RICHARDKINDER	_ICHARDKIND__	77
54	Li Haiyan	LIHAIYAN	LIHAIYA_	88
55	Antti Herlin	ANTTIHERLIN	___TIHERLIN	73
56	David Siegel	DAVIDSIEGEL	DAVIDSIEG_L	91
57	Ashwin Dani	ASHWINDANI	_SHWINDAN_	80
58	Tsai Eng-meng	TSAIENGMENG	_SAIE_GMENG	82
59	Mitchell Rales	MITCHELLRALES	___CH_LLRALES	69
60	Katharine Rayner	KATHARINERAYNER	___H_RI__RAYNER	60
61	Stef Wertheimer	STEFWERTHEIMER	STEFWERT_E_M__	71
62	Dannine Avara	DANNINEAVARA	DANNI_EAVARA	92
63	Daniel Dines	DANIELDINES	DANIELDI_E	90
64	Chan Laiwa	CHANLAIWA	CHA_LAIW_	78
65	Ananda Krishnan	ANANDAKRISHNAN	ANA_DAKR_SH_AN	79
66	William Li	WILLIAMLI	WILLIAML_	89
67	Meg Whitman	MEGWHITMAN	___GWHITMAN	80
68	Michel Leclercq	MICHELLECLERCQ	___ELLECLERC_	64
69	Fred Smith	FREDSMITH	FREDSM_TH	89
70	Clive Calder	CLIVECALDER	_LIVECALDER	91
71	Ken Fisher	KENFISHER	_ENFISHER	89
72	Harry Stine	HARRYSTINE	HARRYS_INE	90
73	Teddy Sagi	TEDDYSAGI	TE_DYSAGI	89
74	Pierre Chen	PIERRECHEN	_IERR_CHE_	70
75	Reed Hastings	REEDHASTINGS	REEDH_ST_NG_	75
76	Patrick Lee	PATRICKLEE	___TRICKLEE	80
77	Vikram Lal	VIKRAMLAL	_IKRAMLAL	89
78	Marc Ladreit de Lacharriere	MARCLADREITDELACHARRIERE	___DREITD_LA_H_R_	42

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Table 4 (continued). 379 name peptides that do not occur in their entirety in the NCBI protein database, and do not contain the AA, selenocysteine (U).

Number	Name	Name Peptide	Sequence Found	% Identity
79	Peter Thiel	PETERTHIEL	PETER_HIEL	90
80	Ted Lerner	TEDLERNER	TE_LERNER	89
81	Alan Trefler	ALANTREFLER	ALA_TREFLER	90
82	Frank Wang	FRANKWANG	_RANKWANG	89
83	Nathan Kirsh	NATHANKIRSH	NATHA_KIRS_	82
84	Michael Pieper	MICHAELPIEPER	__HAELP_EPER	69
85	Eric Smidt	ERICSMIDT	ERICSMID_	89
86	Tim Sweeney	TIMSWEENEY	_IM_WE_NEY	70
87	Mark Walter	MARKWALTER	MARKWALT__	80
88	Tilman Fertitta	TILMANFERTITTA	__LMANFERTI__	64
89	Peter Gassner	PETERGASSNER	_ET_RGASSNE_	75
90	Vladimir Kim	VLADIMIRKIM	__DIMIRKIM	73
91	Andre Esteves	ANDREESTEVES	A_DR_E_TEVES	75
92	Friedrich Knapp	FRIEDRICHKNAPP	FRIEDRIC_____	57
93	Richard Li	RICHARDLI	RICHARDL_	89
94	Sami Mnaymneh	SAMIMNAYMNEH	SAMIM_AYMN__	75
95	Garrett Camp	GARRETTCAMP	GARRETTC_M_	82
96	Erman Ilicak	ERMANILICAK	_RMANILIC_K	82
97	Paul Singer	PAULSINGER	PA_L_I_GER	70
98	Ye Chenghai	YECHENGHAI	YE_HENGHAI	90
99	Peter Hargreaves	PETERHARGREAVES	PETERH_R_REA__	67
100	Wang Yanqing*	WANGYANQING	__NGYANQING	82
101	Steven Meng Yang	STEVENMENGYANG	__VENMENGY_N_	64
102	Matthew Calkins	MATTHEWCALKINS	M__THEWCA__INS	71
103	Dan Friedkin	DANFRIEDKIN	DA_FRIEDKI_	82
104	Martin Haefner	MARTINHAEFNER	__TINHAE_NER	69

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Table 4 (continued). 379 name peptides that do not occur in their entirety in the NCBI protein database, and do not contain the AA, selenocysteine (U).

Number	Name	Name Peptide	Sequence Found	% Identity
105	Daniel Kretinsky	DANIELKRETINSKY	DANI_LK__TINSK__	73
106	Samuel Yin	SAMUELYIN	__M_ELYIN	67
107	Melissa Ma	MELISSAMA	MELISSAM__	89
108	Ira Rennert	IRARENNERT	IRARE_NER__	80
109	Harald Tschira	HARALDTSCHIRA	__RALDTSC_IR__	69
110	Rakesh Gangwal	RAKESHGANGWAL	__ESHGANGWA__	69
111	Stephen Mandel	STEPHENMANDEL	____PHENM_NDE__	62
112	Gilles Martin	GILLES MARTIN	__LLESMARTIN	83
113	Wang Linpeng	WANGLINPENG	WANGLINPE__	82
114	Sergey Dmitriev	SERGEYDMITRIEV	____EYDMI_RIEV	64
115	Feng Hailiang	FENGHAILIANG	FENGHAIL__NG	83
116	Clive Palmer	CLIVEPALMER	CLIVEPA_MER	91
117	Matthias Reimann-Andersen	MATTHIASREIMANNANDERSEN	__TTH__SREI__AN__A__D__	48
118	Stefan Reimann-Andersen	STEFANREIMANNANDERSEN	__EFANREI__N__	38
119	Peter Gilgan	PETERGILGAN	__PETER_ILGA__	82
120	Marian Ilitch	MARIANILITCH	MARIA_ILI_C__	75
121	Michael Milken	MICHAELMILKEN	__CHA_LM_LKE__	62
122	Mark Stevens	MARKSTEVENS	MARKST_V_NS	82
123	David Steward	DAVIDSTEWARD	DAVIDS_EW_RD	83
124	Anil Agarwal	ANILAGARWAL	__NILAGARWAL	91
125	Lynsi Snyder	LYNSISNYDER	LYNSISN_DE__	82
126	Richard Tsai	RICHARD TSAI	RICH_RDTS__	73
127	Sergei Galitsky	SERGEIGALITSKY	SER_EI_ALITS_Y	79
128	Martha Ingram	MARTHAINGRAM	M_RTHAI_GR__	67
129	Lim Wee Chai	LIMWEECHAI	LI_W_ECHAI	80
130	Vivek Chaand Sehgal	VIVEKCHAANDSEHGAL	__EKCH__AN__SEH__	53

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Table 4 (continued). 379 name peptides that do not occur in their entirety in the NCBI protein database, and do not contain the AA, selenocysteine (U).

Number	Name	Name Peptide	Sequence Found	% Identity
131	Leena Tewari	LEENATEWARI	LEEN_TEW_RI	82
132	Steven Klinsky	STEVENKLINSKY	_TE_ENKLINSK_	77
133	Chris Larsen	CHRISLARSEN	__RISLARSEN	82
134	Patrick Ryan	PATRICKRYAN	PATR_KRYAN	82
135	Eric Ya Shen	ERICYASHEN	_RICYAS_EN	80
136	Daniel Tsai	DANIELTSAI	DANI_LTSAI	90
137	Kelcy Warren	KELCYWARREN	___CYWARREN	73
138	Charles Edelstenne	CHARLESEDELSTENNE	__AR_ESE_EL_TEN_E	65
139	Samvel Karapetyan	SAMVELKARAPETYAN	SA_VELKARA_E___	63
140	Vyacheslav Kim	VYACHESLAVKIM	VYACHESL_____	62
141	Richard LeFrak	RICHARDLEFRAK	RIC_RDLEFRA_	77
142	Kevin David Lehmann	KEVINDAVIDLEHMANN	_____DAVIDLEHMA__	59
143	Hans Peter Wild	HANSPETERWILD	___SPETE_WILD	69
144	William Wrigley	WILLIAMWRIGLEY	WIL_IAMW_IG___	64
145	Tsai Cheng-ta	TSAICHENGTA	___ICHENGTA	73
146	Steve Wynn	STEEVEWYNN	_TE_EWYNN	78
147	Artem Khachatryan	ARTEMKHACHATRYAN	_____HACHA_RYAN	56
148	Li Gaiteng	LIGAITENG	LIGAITEN_	89
149	Harald Link	HARALDLINK	_ARALDLINK	90
150	Diane Kemper	DIANEKEMPER	_IANEK_MPER	82
151	P.V. Ramprasad Reddy	PVRAMPRASADREDDY	PV_A_PRASADRE___	69
152	Ferit Faik Sahenk	FERITFAIKSAHENK	_ERITFAI_AH___	60
153	Friede Springer	FRIEDESPRINGER	___EDESPRINGE_	71
154	Pat Stryker	PATSTRYKER	___TSTRYKER	80
155	Andrew Tan	ANDREW TAN	_NDREW TAN	88
156	Wang Changtian	WANGCHANGTIAN	WANG_HANGT_N	77

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Table 4 (continued). 379 name peptides that do not occur in their entirety in the NCBI protein database, and do not contain the AA, selenocysteine (U).

Number	Name	Name Peptide	Sequence Found	% Identity
157	Marcel Erni	MARCELERNI	MAR_ELERNI	90
158	Walter Faria	WALTERFARIA	WALTERFAR__	82
159	Alfred Gantner	ALFREDGANTNER	ALFREDG_NT__	69
160	Samir Mehta	SAMIRMEHTA	SAM_RMEHT_	80
161	William Ackman	WILLIAMACKMAN	__LLIAMACKM_	69
162	Chen Tianshi	CHENTIANSHI	__ENTIAN_HI	80
163	Deng Weiming	DENGWEIMING	__ENGW_IMING	82
164	Gary Friedman	GARYFRIEDMAN	GARYFRIED__	75
165	Travis Kalanick	TRAVISKALANICK	TRAV_SKAL_N__	64
166	Hans Melchers	HANSMELCHERS	H_NSMELCHE_	82
167	Karin Schick	KARINSCHICK	__AR_NSCHICK	82
168	Warren Stephens	WARRENSTEPHENS	__RRE_STE_HENS	71
169	Sean Parker	SEANPARKER	__EANPARKER	90
170	Richard Peery	RICHARDPEERY	RIC_A_DP_ERY	75
171	Tsai Ming-kai	TSAIMINGKAI	__S_IMINGKAI	82
172	Stein Erik Hagen	STEINERIKHAGEN	S_EINERIKHA__	71
173	Stephen Smith	STEPHENSMITH	__T_PHENS_ITH	75
174	Dan Snyder	DANSNYDER	DAN_NYDER	89
175	Wim van der Leegte	WIMVANDERLEEGTE	__MVA_DERLEEG__	67
176	Evan Williams	EVANWILLIAMS	EV_NW_LL_AM_	67
177	Hans Langer	HANSLANGER	__ANSLANGER	90
178	Liang Feng	LIANGFENG	LIANGFEN_	89
179	Taha Mikati	TAHAMIKATI	__AHAMIKAT_	80
180	Nandan Nilekani	NANDANNILEKANI	NANDA__LEKAN_	71
181	Ravi Pillai	RAVIPILLAI	__AVIPILLAI	90
182	Matthew Prince	MATTHEWPRINCE	__TTHEWPR_C_	62

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Table 4 (continued). 379 name peptides that do not occur in their entirety in the NCBI protein database, and do not contain the AA, selenocysteine (U).

Number	Name	Name Peptide	Sequence Found	% Identity
183	Matthias Reinhart	MATTHIASREINHART	__TTHIAS_E_NH__	56
184	Kavitark Ram Shriram	KAVITARKRAMSHRIRAM	_AVITAR_RAMS_____	56
185	André Street	ANDRESTREET	A_DRESTREE_	82
186	Michael Ashley	MICHAELASHLEY	MIC__EL_S_LEY	69
187	Richard Chandler	RICHARDCHANDLER	__H_RDCH_NDLE_	60
188	David Chen	DAVIDCHEN	DAVI_CHEN	89
189	Philip Green	PHILIPGREEN	PHILIPGR_E_	82
190	Cristina Green	CRISTINAGREEN	_RISTI_AGREE_	77
191	Gail Miller	GAILMILLER	G_ILMILLER	90
192	Renate Sick-Glaser	RENATESICKGLASER	_E_A_ESIC_GL_S_R	63
193	David Wertheim	DAVIDWERTHEIM	_AVIDWERT_E_M	77
194	Michael Ying	MICHAELYING	MICHA__Y_NG	73
195	Semahat Sevim Arsel	SEMAHATSEVIMARSEL	_E_AHA_S_VIMA_____	53
196	Vanich Chaiyawan	VANICHCHAIYAWAN	__NICHCHA_Y_____	53
197	Sandeep Engineer	SANDEEPENGINEER	SA_DEEPE_G__EE_	67
198	Daniel Mate	DANIELMATE	_A_IELMATE	80
199	Andrew Paradise	ANDREWPARADISE	ANDREW_ARA_IS_	79
200	Stewart Rahr	STEWARTRAHR	STEWARTRA__	82
201	Krit Ratanarak	KRITRATANARAK	KRITRA__NAR_K	77
202	Stephan Schmidheiny	STEPHANSCHMIDHEINY	____NSC_I_HEIN__	44
203	Lang Walker	LANGWALKER	LANGWALKE_	90
204	Elaine Wynn	ELAINEWYNN	ELAINEW_NN	90
205	Frank Fertitta	FRANKFERTITTA	FRAN_F_RTI_TA	77
206	Gerry Harvey	GERRYHARVEY	GERRYHARV__	82
207	Kwek Leng Kee	KWEKLENGKEE	_WEKLENG_EE	82
208	Lin Fanlian	LINFANLIAN	LINFA_LIAN	90

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Table 4 (continued). 379 name peptides that do not occur in their entirety in the NCBI protein database, and do not contain the AA, selenocysteine (U).

Number	Name	Name Peptide	Sequence Found	% Identity
209	Catherine Phillips	CATHERINEPHILLIPS	__HE_INE_HILLIP__	65
210	Salil Singhal	SALILSINGHAL	__LILSINGHAL	83
211	Anna Katharina Viessmann	ANNAKATHARINAVIESSMANN	AN_AKA__RIN_VI_S__AN__	59
212	David Walentas	DAVIDWALENTAS	_AVIDWALENT__	77
213	Andrew Cherng	ANDREWCHERNG	ANDREWCH__	67
214	Peggy Cherng	PEGGYCHERNG	__GGYCHERN__	73
215	Michael Federmann	MICHAELFEDERMANN	__CHA_LFE_E_M__	50
216	William Fisher	WILLIAMFISHER	W_LLIAMFISH__	77
217	Philippe Ginestet	PHILIPPEGINESTET	__ILIPPE_IN__TE__	62
218	Ilkka Herlin	ILKKAHERLIN	_LKKAHERLI__	82
219	Li Wanqiang	LIWANQIANG	_IWANQIAN__	80
220	Lin Chen-hai	LINCHENHAI	L_NCHE__AI	70
221	Richard Sands	RICHARDSANDS	__CHARDSAND__	75
222	Wang Minwen	WANGMINWEN	_ANGMINWEN	90
223	Isak Andic	ISAKANDIC	IS_KANDIC	89
224	Masaaki Arai	MASAAKIARAI	MASAAKIAR__	82
225	Kenneth Feld	KENNETHFELD	_ENNETHF_LD	82
226	Walter Frey	WALTERFREY	WA_TERFREY	90
227	Dennis Gillings	DENNISGILLINGS	_ENNISG_LLI_G__	71
228	Craig McCaw	CRAIGMCCAW	CRA_GMCCA__	80
229	David Nahmad	DAVIDNAHMAD	DAVI_N_HMA__	73
230	Kevin Plank	KEVINPLANK	KE_INPLANK	90
231	Marina Prada	MARINAPRADA	MARINAPRA__	82
232	Mahendra Prasad	MAHENDRAPRASAD	MAHE__RAP_ASA__	71
233	Sathien Setthasit	SATHIENSETTHASIT	SAT_IENS_TTH__	63
234	Thaksin Shinawatra	THAKSINSHINAWATRA	THAKSI__IN_W__	53

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Table 4 (continued). 379 name peptides that do not occur in their entirety in the NCBI protein database, and do not contain the AA, selenocysteine (U).

Number	Name	Name Peptide	Sequence Found	% Identity
235	Stanley Tang	STANLEYTANG	STA_LEYTAN	90
236	Alain Taravella	ALAIN TARAVELLA	__AI_TARAVELL	77
237	Amy Wyss	AMYWYSS	AMYWYS_	86
238	Andrey Andreev	ANDREYANDREEV	__DREYANDRE__	69
239	Chen Shiliang	CHENSHILIANG	CHEN_HILI__	67
240	Fred Ehram	FREDEHRAM	_REDEHR_AM	80
241	Michael Kim	MICHAELKIM	MICH_ELK_M	80
242	Ipek Kirac	IPEKKIRAC	IPEKKIRA_	89
243	Lin Dingqiang	LINDINGQIANG	LIN_INGQI_N_	75
244	Anand Mahindra	ANANDMAHINDRA	__NDMAHI_DRA	69
245	Willy Michel	WILLYMICHEL	WILLY_ICH_L	82
246	Lachman Das Mittal	LACHHMANDASMITTAL	__MANDASMI_T__	53
247	Evgeny Shvidler	EVGENYSHVIDLER	EVGENYS_IDLE_	79
248	Wei Yin-Heng	WEIYINHENG	WE_YIN_ENG	80
249	Stephen Winn	STEPHENWINN	STE__ENWINN	82
250	Carl Hansen	CARLHANSEN	CARLH_NSEN	90
251	William Heinecke	WILLIAMHEINECKE	__LLIAM_EI__CK_	60
252	David Hindawi	DAVIDHINDAWI	DAVIDHINDA__	83
253	Dmitry Kamenshchik	DMITRYKAMENSHCHIK	_MI_R_KAMENSH_____	59
254	Marc Lasry	MARCLASRY	MARCLASR_	89
255	Shi Yifeng	SHIYIFENG	SHIYIF_NG	89
256	Henry Swieca	HENRYSWIECA	__NRYSWIEC_	73
257	Martin Viessmann	MARTINVIESSMANN	__IN_IES_MANN	60
258	Kanye West	KANYEWEST	K_NYEWEST	89
259	Marc Andreesen	MARCANDREESSEN	__ANDRE_SSEN	64
260	Richard Chang	RICHARDCHANG	R_CHA_DCHA__	67

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Table 4 (continued). 379 name peptides that do not occur in their entirety in the NCBI protein database, and do not contain the AA, selenocysteine (U).

Number	Name	Name Peptide	Sequence Found	% Identity
261	Henry Engelhardt	HENRYENGELHARDT	___YENGELHAR__	60
262	Philip Fayer	PHILIPFAYER	__ILIPFAY_R	73
263	David Feffer	DAVIDFEFFER	_AVIDFEFF_R	82
264	G. Gnanalingam	GGNANALINGAM	__NA_ALINGAM	75
265	Patrick Hanrahan	PATRICKHANRAHAN	___RICKH_NR_HA_	60
266	Sergei Katsiev	SERGEIKATSIEV	S_RGEIKATS_E_	77
267	Edward Lampert	EDWARDLAMPERT	_DWARD_AMPER_	77
268	David Lichtenstein	DAVIDLICHTENSTEIN	DAVIDLIC_TE_S__	69
269	Sarah MacMillan	SARAHMACMILLAN	___HMACM_LLAN	64
270	Ginia Rinehart	GINIARINEHART	_INIARI_EHAR_	77
271	Ivan Savvidis	IVANSAVVIDIS	_VAN_AVVIDIS	83
272	Pavel Tykac	PAVELTYKAC	PAVELTY_AC	90
273	Chen Kaichen	CHENKAICHEN	_HENK_ICH_N	73
274	Ding Lieming	DINGLIEMING	_INGLIEMIN_	82
275	Daniel Feffer	DANIELFEFFER	___NIELFEFFE_	75
276	Henrik Fisker	HENRIKFISKER	HENRIK_ISK__	75
277	Heikki Herlin	HEIKKIHERLIN	HEIKKIHER__	75
278	Michael Lee-Chin	MICHAELLEECHIN	_ICHAELEE__	64
279	Liang Yanfeng	LIANGYANFENG	LIANGY_NFEN_	83
280	Gary Magness	GARYMAGNESS	_ARYMA_NESS	82
281	Peter Sperling	PETERSPERLING	PETER_PERL_G	77
282	Tseng Cheng	TSENGCHENG	T_ENGCHENG	90
283	Wang Yiran	WANGYIRAN	WANGY_RAN	89
284	Ahmet Calik	AHMETCALIK	_HM_TCALI_	70
285	Steve Case	STEVECASE	_TEVECASE	89
286	Tim Draper	TIMDRAPER	_IMDRAPER	89

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Table 4 (continued). 379 name peptides that do not occur in their entirety in the NCBI protein database, and do not contain the AA, selenocysteine (U).

Number	Name	Name Peptide	Sequence Found	% Identity
287	Gary Fegel	GARYFEGEL	GARYF_GEL	89
288	Geng Diangen	GENGDIANGEN	_ENG_IANGEN	82
289	Esther Grether	ESTHERGRETHER	ESTHE__ETHE_	69
290	Seth Klarman	SETHKLARMAN	SET_LARMAN	82
291	Strive Masiyiwa	STRIVEMASIYIWA	__IVEMASIYI__	64
292	P.V. Krishna Reddy	PVKRISHNAREDDY	__RISHNA_EDD_	69
293	Prathap Reddy	PRATHAPREDDY	PRAT_APR_D_Y	75
294	Satish Reddy	SATISHREDDY	_TISHRED_Y	73
295	Ryan Smith	RYANSMITH	RYANSMIT_	89
296	Yi Dasheng	YIDASHENG	Y_DASHENG	89
297	Katharina Andresen	KATHARINAANDRESEN	KA_HARI_AAN_R_S__	65
298	Chen Liying	CHENLIYING	CHENLIYI__	80
299	Mimi Haas	MIMIHAAS	MIMIHAA_	88
300	Richard Hayne	RICHARDHAYNE	__CH_RDH_YNE	67
301	Daniel Hirschfeld	DANIELHIRSCHFELD	__N_ELHIRSCH__	56
302	Archie Hwang	ARCHIEHWANG	__HIEHWANG	73
303	Sidney Kimmel	SIDNEYKIMMEL	SIDNEYKIM_L	83
304	Li Denghai	LIDENGHAI	LIDENGHA_	89
305	Emma Marcegaglia	EMMAMARCEGAGLIA	_MMAM_RC_GA__	57
306	Terence Matthews	TERENCEMATTHEWS	__ENCEM_TTH__	53
307	Nirmal Minda	NIRMALMINDA	NI_M_LMIND_	73
308	Martin Selig	MARTINSELIG	MARTINS_LI_	82
309	Airat Shaimiev	AIRATSHAIMIEV	_IRATS_AIMI_	69
310	Michael Spencer	MICHAELSPENCER	__AELSPENCE_	64
311	Edward Stack	EDWARDSTACK	EDWARDS_A__	73
312	Wilma Tisch	WILMATISCH	_ILMATISCH	90

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Table 4 (continued). 379 name peptides that do not occur in their entirety in the NCBI protein database, and do not contain the AA, selenocysteine (U).

Number	Name	Name Peptide	Sequence Found	% Identity
313	Wang Mingwang	WANGMINGWANG	WANGMIN_W__	67
314	Mehmet Aydinlar	MEHMETAYDINLAR	ME_ME__Y_INL__	57
315	Vivien Chen	VIVIENCHEN	_IVIENCHE_	80
316	Cheng Lili	CHENGLILI	CHENGLIL_	89
317	Ayman Hariri	AYMANHARIRI	_YMANHAR_RI	82
318	Michael Heine	MICHAELHEINE	__CHAELEHEI_E	75
319	Peter Kelly	PETERKELLY	PETE_KELLY	90
320	Michael Krasny	MICHAELKRASNY	__H_ELKRA_NY	62
321	Deepak Mehta	DEEPAKMEHTA	_E_PAKMEHT_	73
322	Alan Miller	ALANMILLER	ALA_MILLER	90
323	Stefan Pierer	STEFANPIERER	STEFANPIER__	83
324	Lily Safra	LILYSAFRA	LILYSAFR_	89
325	Radik Shaimiev	RADIKSHAIMIEV	RADI_SHA_M_E_	69
326	Farris Wilks	FARRISWILKS	FARRISW_LK_	82
327	Chen Gang	CHENGANG	CH_NGANG	88
328	Henry Cheng	HENRYCHENG	_ENRYCHE_G	80
329	Will Cheng Wei	WILLCHENGWEI	__LLCH_NGWEI	75
330	Carl DeSantis	CARLDESANTIS	__RLDESAN_IS	75
331	Wesley Edens	WESLEYEDENS	W__LEYEDENS	82
332	Clement Fayat	CLEMENTFAYAT	_LEMENTF_Y__	67
333	Dan Gertler	DANGERTLER	DANG_RTLE	90
334	Ryan Graves	RYANGRAVES	RYA_GRAVES	90
335	Mathias Kamprad	MATHIASKAMPRAD	_AT_A_KAMPRAD	71
336	Peter Kamprad	PETERKAMPRAD	_E_ERK_MPRAD	75
337	Kwek Leng Peck	KWEKLENGPECK	_WE_LEN_PEC_	67
338	Chamath Palihapitiya	CHAMATHPALIHAPITIYA	___ATHPA_H_P_IYA	53

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Table 4 (continued). 379 name peptides that do not occur in their entirety in the NCBI protein database, and do not contain the AA, selenocysteine (U).

Number	Name	Name Peptide	Sequence Found	% Identity
339	Michael Price	MICHAELPRICE	__CHAE_L_RICE	75
340	Qin Qingping	QINQINGPING	__NQINGPING	82
341	Dani Reiss	DANIREISS	DA_I REISS	89
342	Chris Sacca	CHRISSACCA	CHRISSAC__	80
343	Marc Samwer	MARCSAMWER	__RC_AMWER	70
344	Kavita Singhanian	KAVITASINGHANIA	KA_ITAS_NGHAN__	73
345	Mike Speiser	MIKESPEISER	MIKE_PEISE__	82
346	Michael Steinhardt	MICHAELSTEINHARDT	___AEL_TEINHA_D_	59
347	Steven Tisch	STEVENTISCH	STEVENTIS__	82
348	Wang Ren-sheng	WANGRENSHENG	___GRENSHENG	75
349	Radhe Shyam Agarwal	RADHESHYAMAGARWAL	RAD_ES_YAM_GA_W__	65
350	Cheng Antares	CHENGANTARES	_HE_GAN_ARES	75
351	Henry Davis	HENRYDAVIS	HE_RYDAVIS	90
352	Paul Fireman	PAULFIREMAN	___LFI_EMAN	64
353	Anne Gittinger	ANNEGITTINGER	_NNEGITTIN__	69
354	Fahed Hariri	FAHEDHARIRI	__HEDHAR_RI	73
355	Ming Hsieh	MINGHSIEH	MINGHSIE_	89
356	Richard Kayne	RICHARDKAYNE	___HARDKAYNE	75
357	Nancy Lerner	NANCYLERNER	___CYLERNER	73
358	Li Wenmei	LIWENMEI	LIWE_MEI	88
359	Cargill MacMillan	CARGILLMACMILLAN	__RGI_M_CM_LLAN	63
360	Martha MacMillan	MARTHAMACMILLAN	MA_T_AM_CMILL__	67
361	William MacMillan	WILLIAMMACMILLAN	__LLIAMM_CM_LL__	63
362	Carsten Maschmeyer	CARSTENMASCHMEYER	__RSTE_M_SCH_EY__	59
363	M. Satyanarayana Reddy	MSATYANARAYANAREDDY	MSATY_NARA___R_D__	58
364	Edgar Sia	EDGARSIA	EDGARSIA	100

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Table 4 (continued). 379 name peptides that do not occur in their entirety in the NCBI protein database, and do not contain the AA, selenocysteine (U).

Number	Name	Name Peptide	Sequence Found	% Identity
365	Michael S. Smith	MICHAELSSMITH	_IC_AELSSMITH	85
366	Tan Eng Kee	TANENGKEE	T_NENGKEE	89
367	Mehmet Sinan Tara	MEHMETSINANTARA	__ME_SINANTA__	60
368	Tseng Sing-ai	TSENGSINGAI	_ENGSINGAI	90
369	Wen Pengcheng	WENPENGCHENG	_ENPENG_HENG	83
370	Larry Fink	LARRYFINK	LARRYFIN_	89
371	David Harding	DAVIDHARDING	DAVIDH_RDI__	75
372	T.S. Kalyanaraman	TSKALYANARAMAN	__KALYANAR_M__	64
373	Kim Kardashian West	KIMKARDASHIANWEST	____DA_HIANWE_T	53
374	Sergei Makhlai	SERGEIMAKHLAI	_ERGE__AKHL_I	69
375	Michael McCain	MICHAELMCCAIN	____AELMCCAI_	62
376	Tyler Perry	TYLERPERRY	TY_ERPERRY	90
377	Alan Rydge	ALANRYDGE	ALA_RYDGE	89
378	Sandy Weill	SANDYWEILL	_ANDYWEIL_	80

*Note: The name Wang Yanqing occurs twice in the 2021 Forbes list of the world's billionaires and represents two different individuals.

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Table 5. 35 Name peptides containing the CendR motif (6 peptides) or a cryptic CendR motif (i.e., an internal AA sequence that would become a CendR motif upon proteolytic cleavage). The CendR, or cryptic CendR, motif is highlight in bold, and a triangle indicates the site at which proteolytic cleavage would convert the cryptic CendR motif to a CendR motif.

Number	Name	Name Peptide	CendR motif in Name Peptide
1	Patrick Drahi	PATRICKDRAHI	PATRICK▲DRAHI
2	Agnete Kirk Thinggaard	AGNETEKIRKTHINGGAARD	AGNETE KIRK▲ THINGGAARD
3	Diane Hendricks	DIANEHENDRICKS	DIANEHENDRICK ▲S
4	Henry Kravis	HENRYKRAVIS	HENRY KR▲ AVIS
5	Stanley Druckenmiller	STANLEYDRUCKENMILLER	STANLEY DRUCK▲ ENMILLER
6	Patrick Lee	PATRICKLEE	PATRICK▲ LEE
7	Marc Ladreit de Lacharriere	MARCLADREITDELACHARRIERE	MARCLADREITDELACHARRIER ▲E
8	Ted Lerner	TEDLERNER	TEDLERNER
9	Frank Wang	FRANKWANG	FRANK▲ WANG
10	Peter Hargreaves	PETERHARGREAVES	PETER HAR▲ GREAVES
11	Ty Warner	TYWARNER	TYWARNER
12	NR Narayana Murthy	NRNARAYANAMURTHY	NRNAR▲ AYANAMURTHY
13	Patrick Ryan	PATRICKRYAN	PATRICK▲ RYAN
14	Walter Faria	WALTERFARIA	WALTER FAR▲ IA
15	Gary Friedman	GARYFRIEDMAN	GARY FR▲ IEDMAN
16	Sean Parker	SEANPARKER	SEANPARKER
17	Stewart Rahr	STEWARTRAHR	STEWARTRAHR
18	Krit Ratanarak	KRITRATANARAK	KRITR▲ ATANARAK
19	Ted Turner	TEDTURNER	TEDTURNER
20	Frank Fertitta	FRANKFERTITTA	FRANK▲ FERTITTA FRANKFER▲ TITTA
21	Kwek Leng Kee	KWEKLENGKEE	KWEK▲ LENGKEE
22	Frank Laukien	FRANKLAUKIEN	FRANK▲ LAUKIEN
23	Pierre Karl Peladeau	PIERREKARLPPELADEAU	PIERREK▲ ARLPPELADEAU
24	Mahendra Prasad	MAHENDRAPRASAD	MAHENDRAPR▲ ASAD

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Table 5 (continued). 35 Name peptides containing the CendR motif (6 peptides) or a cryptic CendR motif (i.e., an internal AA sequence that would become a CendR motif upon proteolytic cleavage). The CendR, or cryptic CendR, motif is highlight in bold, and a triangle indicates the site at which proteolytic cleavage would convert the cryptic CendR motif to a CendR motif.

Number	Name	Name Peptide	CendR motif in Name Peptide
25	Thierry Cruanes	THIERRYCRUANES	THIERRY CR ▲UANES
26	Ipek Kirac	IPEKKIRAC	IPEKKIR▲AC
27	Kurt Krieger	KURTKRIEGER	KURTKR▲IEGER
28	Patrick Hanrahan	PATRICKHANRAHAN	PATRICK▲HANRAHAN
29	Narendrakumar Parekh	NARENDRAKUMARPAREKH	NARENDRAKUMAR PAR ▲EKH
30	Seth Klarman	SETHKLARMAN	SETH KLAR ▲MAN
31	Sushilkumar Parekh	SUSHILKUMARPAREKH	SUSHILKUMAR PAR ▲EKH
32	Luis Enrique Yarur Rey	LUISENRIQUEYARURREY	LUISENRIQUEYARURR▲EY
33	Nancy Lerner	NANCYLERNER	NANCYLERNER
34	Kim Kardashian West	KIMKARDASHIANWEST	KIM ▲ARDASHIANWEST
35	Tyler Perry	TYLERPERRY	TYLER PER ▲RY

(Continued from page 4:)

Further Studies

In addition to the prediction of CendR peptides, there are many programs available for predicting various other properties of peptides and proteins (e.g., antimicrobial [34], anticancer [35]). These programs may provide clues to interesting and useful properties of the billionaire name peptides. Exploration of these properties would be facilitated by creating them through biological (e.g., [36]) and/or chemical (e.g., [37]) synthetic techniques. It should be noted that all the name peptides, except those containing selenocysteine, could be synthesized by biological methods, but only if the peptides contained only L-AAs. Chemical methods provide more flexibility than biological methods, and all the name peptides, including those containing selenocysteine, could be synthesized by chemical methods, as either all-L or all-D AA containing enantiomers [e.g., 37], or a combination of L- and D-AA containing hybrids.

Most peptide and proteins have been obtained through isolation from natural sources [e.g., 38] or via combinatorial chemistry methods [39]. Although it may seem a somewhat unorthodox approach to scientists who are disciples of the school of rational design [40], the English language can also provide a rich source of potential AA sequences for designing novel peptides and proteins. The name-to-peptide method would certainly make the concepts of peptides and proteins more understandable to the non-scientific public, and it might even be used as a means of advertisement (e.g., corporate name peptides [18]). So far, only three name peptides have been created and studied, but all were found to have interesting biological properties [7, 18, 19]. There may still be room for serendipity in science. Hopefully, this field of research will attract more interest from the scientific community in the future.

Acknowledgements

The author thanks several researchers for the biological testing of synthetic name peptides, and in particular, Dr. Michael Lea, of the Rutgers New Jersey Medical School, Department of Biochemistry and Molecular Biology, Newark, N.J., USA. Without their assistance the concept of name peptides would still be mostly theoretical. In addition, the author thanks an anonymous Ph.D. biochemist reviewer for assistance in improving manuscripts.

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