Sequence ID#	N-Terminal Domain			Middle Domain	C-Terminal Domain										
	N-term.	1	2-18	19-24	25-33	34	35	36	37	38	39	40	41	42	C-term.
SEQ ID NO:1	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	A	OH
SEQ ID NO:2	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I		OH
SEQ ID NO:3	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V			OH
SEQ ID NO:4	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V				OH
SEQ ID NO:5	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G					OH
SEQ ID NO:6	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G						OH
SEQ ID NO:7	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V							OH
SEQ ID NO:8	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M								OH
SEQ ID NO:9	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L									OH
SEQ ID NO:10	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG										OH
SEQ ID NO:11	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAII										OH
SEQ ID NO:12	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAI										OH
SEQ ID NO:13	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGA										OH
SEQ ID NO:14	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKG										OH
SEQ ID NO:15	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNK										OH
SEQ ID NO:16	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKPAIIG	L	M	V	G	G	V	V	I	A	OH
SEQ ID NO:17	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKKAIIG	L	M	V	G	G	V	V	I	A	OH
SEQ ID NO:18	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKRAIIG	L	M	V	G	G	V	V	I	A	OH
SEQ ID NO:19	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKHAIIG	L	M	V	G	G	V	V	I	A	OH
SEQ ID NO:20	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKEAIIG	L	M	V	G	G	V	V	I	A	OH
SEQ ID NO:21	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKDAIIG	L	M	V	G	G	V	V	I	A	OH
SEQ ID NO:22	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKSAIIG	L	M	V	G	G	V	V	I	A	OH
SEQ ID NO:23	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKTAIIG	L	M	V	G	G	V	V	I	A	OH
SEQ ID NO:24	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKNAIIG	L	M	V	G	G	V	V	I	A	OH
SEQ ID NO:25	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKQAIIG	L	M	V	G	G	V	V	I	A	OH
SEQ ID NO:26	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKCAIIG	L	M	V	G	G	V	V	I	A	OH

FIG. 1A

Sequence ID#	N-Terminal Domain			Middle Domain	C-Terminal Domain										
	N-term.	1	2-18	19-24	25-33	34	35	36	37	38	39	40	41	42	C-term.
SEQ ID NO:27	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGPIIG	L	M	V	G	G	V	V	I	A	OH
SEQ ID NO:28	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGGIIG	L	M	V	G	G	V	V	I	A	OH
SEQ ID NO:29	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGKIIG	L	M	V	G	G	V	V	I	A	OH
SEQ ID NO:30	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGRIIG	L	M	V	G	G	V	V	I	A	OH
SEQ ID NO:31	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGHIIG	L	M	V	G	G	V	V	I	A	OH
SEQ ID NO:32	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGEIIG	L	M	V	G	G	V	V	I	A	OH
SEQ ID NO:33	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGDIIG	L	M	V	G	G	V	V	I	A	OH
SEQ ID NO:34	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGSIIG	L	M	V	G	G	V	V	I	A	OH
SEQ ID NO:35	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGTIIG	L	M	V	G	G	V	V	I	A	OH
SEQ ID NO:36	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGNIIG	L	M	V	G	G	V	V	I	A	OH
SEQ ID NO:37	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGQIIG	L	M	V	G	G	V	V	I	A	OH
SEQ ID NO:38	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGCIIG	L	M	V	G	G	V	V	I	A	OH
SEQ ID NO:39	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAPIG	L	M	V	G	G	V	V	I	A	OH
SEQ ID NO:40	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAGIG	L	M	V	G	G	V	V	I	A	OH
SEQ ID NO:41	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAKIG	L	M	V	G	G	V	V	I	A	OH
SEQ ID NO:42	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGARIG	L	M	V	G	G	V	V	I	A	OH
SEQ ID NO:43	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAHIG	L	M	V	G	G	V	V	I	A	OH
SEQ ID NO:44	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAEIG	L	M	V	G	G	V	V	I	A	OH
SEQ ID NO:45	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGADIG	L	M	V	G	G	V	V	I	A	OH
SEQ ID NO:46	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGASIG	L	M	V	G	G	V	V	I	A	OH
SEQ ID NO:47	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGATIG	L	M	V	G	G	V	V	I	A	OH
SEQ ID NO:48	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGANIG	L	M	V	G	G	V	V	I	A	OH
SEQ ID NO:49	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAQIG	L	M	V	G	G	V	V	I	A	OH
SEQ ID NO:50	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGACIG	L	M	V	G	G	V	V	I	A	OH
SEQ ID NO:51	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIPG	L	M	V	G	G	V	V	I	A	OH
SEQ ID NO:52	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIGG	L	M	V	G	G	V	V	I	A	OH

FIG. 1B

Sequence ID#	N-Terminal Domain			Middle Domain	C-Terminal Domain										
	N-term.	1	2-18	19-24	25-33	34	35	36	37	38	39	40	41	42	C-term.
SEQ ID NO:53	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIKG	L	M	V	G	G	V	V	I	A	OH
SEQ ID NO:54	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIRG	L	M	V	G	G	V	V	I	A	OH
SEQ ID NO:55	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIHG	L	M	V	G	G	V	V	I	A	OH
SEQ ID NO:56	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIEG	L	M	V	G	G	V	V	I	A	OH
SEQ ID NO:57	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIDG	L	M	V	G	G	V	V	I	A	OH
SEQ ID NO:58	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAISG	L	M	V	G	G	V	V	I	A	OH
SEQ ID NO:59	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAITG	L	M	V	G	G	V	V	I	A	OH
SEQ ID NO:60	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAING	L	M	V	G	G	V	V	I	A	OH
SEQ ID NO:61	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIQG	L	M	V	G	G	V	V	I	A	OH
SEQ ID NO:62	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAICG	L	M	V	G	G	V	V	I	A	OH
SEQ ID NO:63	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIP	L	M	V	G	G	V	V	I	A	OH
SEQ ID NO:64	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIK	L	M	V	G	G	V	V	I	A	OH
SEQ ID NO:65	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIR	L	M	V	G	G	V	V	I	A	OH
SEQ ID NO:66	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIH	L	M	V	G	G	V	V	I	A	OH
SEQ ID NO:67	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIE	L	M	V	G	G	V	V	I	A	OH
SEQ ID NO:68	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIID	L	M	V	G	G	V	V	I	A	OH
SEQ ID NO:69	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIS	L	M	V	G	G	V	V	I	A	OH
SEQ ID NO:70	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIT	L	M	V	G	G	V	V	I	A	OH
SEQ ID NO:71	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIN	L	M	V	G	G	V	V	I	A	OH
SEQ ID NO:72	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIQ	L	M	V	G	G	V	V	I	A	OH
SEQ ID NO:73	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIC	L	M	V	G	G	V	V	I	A	OH
SEQ ID NO:74	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	P	M	V	G	G	V	V	I	A	OH
SEQ ID NO:75	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	G	M	V	G	G	V	V	I	A	OH
SEQ ID NO:76	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	K	M	V	G	G	V	V	I	A	OH
SEQ ID NO:77	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	R	M	V	G	G	V	V	I	A	OH
SEQ ID NO:78	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	H	M	V	G	G	V	V	I	A	OH

FIG. 1C

Sequence ID#	N-Terminal Domain			Middle Domain	C-Terminal Domain										
	N-term.	1	2-18	19-24	25-33	34	35	36	37	38	39	40	41	42	C-term.
SEQ ID NO:79	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	E	M	V	G	G	V	V	I	A	OH
SEQ ID NO:80	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	D	M	V	G	G	V	V	I	A	OH
SEQ ID NO:81	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	S	M	V	G	G	V	V	I	A	OH
SEQ ID NO:82	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	T	M	V	G	G	V	V	I	A	OH
SEQ ID NO:83	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	N	M	V	G	G	V	V	I	A	OH
SEQ ID NO:84	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	Q	M	V	G	G	V	V	I	A	OH
SEQ ID NO:85	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	C	M	V	G	G	V	V	I	A	OH
SEQ ID NO:86	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	P	V	G	G	V	V	I	A	OH
SEQ ID NO:87	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	G	V	G	G	V	V	I	A	OH
SEQ ID NO:88	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	K	V	G	G	V	V	I	A	OH
SEQ ID NO:89	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	R	V	G	G	V	V	I	A	OH
SEQ ID NO:90	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	H	V	G	G	V	V	I	A	OH
SEQ ID NO:91	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	E	V	G	G	V	V	I	A	OH
SEQ ID NO:92	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	D	V	G	G	V	V	I	A	OH
SEQ ID NO:93	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	S	V	G	G	V	V	I	A	OH
SEQ ID NO:94	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	T	V	G	G	V	V	I	A	OH
SEQ ID NO:95	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	N	V	G	G	V	V	I	A	OH
SEQ ID NO:96	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	Q	V	G	G	V	V	I	A	OH
SEQ ID NO:97	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	C	V	G	G	V	V	I	A	OH
SEQ ID NO:98	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	P	G	G	V	V	I	A	OH
SEQ ID NO:99	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	G	G	G	V	V	I	A	OH
SEQ ID NO:100	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	K	G	G	V	V	I	A	OH
SEQ ID NO:101	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	R	G	G	V	V	I	A	OH
SEQ ID NO:102	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	H	G	G	V	V	I	A	OH
SEQ ID NO:103	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	E	G	G	V	V	I	A	OH
SEQ ID NO:104	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	D	G	G	V	V	I	A	OH

FIG. 1D

Sequence ID#	N-Terminal Domain			Middle Domain	C-Terminal Domain										
	N-term.	1	2-18	19-24	25-33	34	35	36	37	38	39	40	41	42	C-term.
SEQ ID NO:105	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	S	G	G	V	V	I	A	OH
SEQ ID NO:106	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	T	G	G	V	V	I	A	OH
SEQ ID NO:107	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	N	G	G	V	V	I	A	OH
SEQ ID NO:108	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	Q	G	G	V	V	I	A	OH
SEQ ID NO:109	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	C	G	G	V	V	I	A	OH
SEQ ID NO:110	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	P	G	V	V	I	A	OH
SEQ ID NO:111	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	K	G	V	V	I	A	OH
SEQ ID NO:112	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	R	G	V	V	I	A	OH
SEQ ID NO:113	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	H	G	V	V	I	A	OH
SEQ ID NO:114	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	E	G	V	V	I	A	OH
SEQ ID NO:115	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	D	G	V	V	I	A	OH
SEQ ID NO:116	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	S	G	V	V	I	A	OH
SEQ ID NO:117	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	T	G	V	V	I	A	OH
SEQ ID NO:118	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	N	G	V	V	I	A	OH
SEQ ID NO:119	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	Q	G	V	V	I	A	OH
SEQ ID NO:120	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	C	G	V	V	I	A	OH
SEQ ID NO:121	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	P	V	V	I	A	OH
SEQ ID NO:122	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	K	V	V	I	A	OH
SEQ ID NO:123	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	R	V	V	I	A	OH
SEQ ID NO:124	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	H	V	V	I	A	OH
SEQ ID NO:125	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	E	V	V	I	A	OH
SEQ ID NO:126	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	D	V	V	I	A	OH
SEQ ID NO:127	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	S	V	V	I	A	OH
SEQ ID NO:128	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	T	V	V	I	A	OH
SEQ ID NO:129	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	N	V	V	I	A	OH
SEQ ID NO:130	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	Q	V	V	I	A	OH

FIG. 1E

Sequence ID#	N-Terminal Domain			Middle Domain	C-Terminal Domain										
	N-term.	1	2-18	19-24	25-33	34	35	36	37	38	39	40	41	42	C-term.
SEQ ID NO:131	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	C	V	V	I	A	OH
SEQ ID NO:132	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	P	V	I	A	OH
SEQ ID NO:133	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	G	V	I	A	OH
SEQ ID NO:134	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	K	V	I	A	OH
SEQ ID NO:135	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	R	V	I	A	OH
SEQ ID NO:136	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	H	V	I	A	OH
SEQ ID NO:137	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	E	V	I	A	OH
SEQ ID NO:138	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	D	V	I	A	OH
SEQ ID NO:139	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	S	V	I	A	OH
SEQ ID NO:140	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	T	V	I	A	OH
SEQ ID NO:141	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	N	V	I	A	OH
SEQ ID NO:142	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	Q	V	I	A	OH
SEQ ID NO:143	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	C	V	I	A	OH
SEQ ID NO:144	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	P	I	A	OH
SEQ ID NO:145	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	G	I	A	OH
SEQ ID NO:146	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	K	I	A	OH
SEQ ID NO:147	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	R	I	A	OH
SEQ ID NO:148	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	H	I	A	OH
SEQ ID NO:149	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	E	I	A	OH
SEQ ID NO:150	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	D	I	A	OH
SEQ ID NO:151	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	S	I	A	OH
SEQ ID NO:152	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	T	I	A	OH
SEQ ID NO:153	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	N	I	A	OH
SEQ ID NO:154	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	Q	I	A	OH
SEQ ID NO:155	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	C	I	A	OH
SEQ ID NO:156	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	P	A	OH

FIG. 1F

Sequence ID#	N-Terminal Domain			Middle Domain	C-Terminal Domain										
	N-term.	1	2-18	19-24	25-33	34	35	36	37	38	39	40	41	42	C-term.
SEQ ID NO:157	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	G	A	OH
SEQ ID NO:158	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	K	A	OH
SEQ ID NO:159	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	R	A	OH
SEQ ID NO:160	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	H	A	OH
SEQ ID NO:161	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	E	A	OH
SEQ ID NO:162	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	D	A	OH
SEQ ID NO:163	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	S	A	OH
SEQ ID NO:164	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	T	A	OH
SEQ ID NO:165	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	N	A	OH
SEQ ID NO:166	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	Q	A	OH
SEQ ID NO:167	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	C	A	OH
SEQ ID NO:168	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	P	OH
SEQ ID NO:169	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	G	OH
SEQ ID NO:170	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	K	OH
SEQ ID NO:171	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	R	OH
SEQ ID NO:172	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	H	OH
SEQ ID NO:173	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	E	OH
SEQ ID NO:174	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	D	OH
SEQ ID NO:175	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	S	OH
SEQ ID NO:176	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	T	OH
SEQ ID NO:177	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	N	OH
SEQ ID NO:178	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	Q	OH
SEQ ID NO:179	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	C	OH
SEQ ID NO:180	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	P	P	G	G	V	V	I	A	OH
SEQ ID NO:181	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	P	P	G	P	V	V	I	A	OH
SEQ ID NO:182	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIP	L	P	P	G	G	V	V	I	A	OH

FIG. 1G

Sequence ID#	N-Terminal Domain			Middle Domain	C-Terminal Domain										
	N-term.	1	2-18	19-24	25-33	34	35	36	37	38	39	40	41	42	C-term.
SEQ ID NO:183	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	P	OA	G	G	V	V	I	A	OH
SEQ ID NO:184	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	P*	V	G	G	V	V	I	A	OH
SEQ ID NO:185	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	PGA	V	G	G	V	V	I	A	OH
SEQ ID NO:186	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	NMM	V	G	G	V	V	I	A	OH
SEQ ID NO:187	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	CGA	V	G	G	V	V	I	A	OH
SEQ ID NO:188	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	O	V	G	G	V	V	I	A	OH
SEQ ID NO:189	H	D*	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	P	V	G	G	V	V	I	A	OH
SEQ ID NO:190	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	P	P	V	G	G	V	V	I	A	OH
SEQ ID NO:191	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	NML	NMM	V	G	G	V	V	I	A	OH
SEQ ID NO:192	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	P	NMM	V	G	G	V	V	I	A	OH
SEQ ID NO:193	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	NML	P	V	G	G	V	V	I	A	OH
SEQ ID NO:194	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	NML	M	V	G	G	V	V	I	A	OH
SEQ ID NO:195	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	NHM	V	G	G	V	V	I	A	OH
SEQ ID NO:196	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	NHL	NHM	V	G	G	V	V	I	A	OH
SEQ ID NO:197	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	P	NHM	V	G	G	V	V	I	A	OH
SEQ ID NO:198	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	NHL	P	V	G	G	V	V	I	A	OH
SEQ ID NO:199	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	NHL	M	V	G	G	V	V	I	A	OH
SEQ ID NO:200	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	NHL	O	V	G	G	V	V	I	A	OH
SEQ ID NO:201	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	O	M	V	G	G	V	V	I	A	OH
SEQ ID NO:202	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	O	NHM	V	G	G	V	V	I	A	OH
SEQ ID NO:203	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	NAG	V	G	G	V	V	I	A	OH
SEQ ID NO:204	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	NCG	V	G	G	V	V	I	A	OH
SEQ ID NO:205	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSN										OH
SEQ ID NO:206	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GS										OH
SEQ ID NO:207	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	G										OH
SEQ ID NO:208	H	D	AEFRHDSGYEVHHQKLV	FFAEDV											OH

FIG. 1H

Sequence ID#	N-Terminal Domain			Middle Domain	C-Terminal Domain										
	N-term.	1	2-18	19-24	25-33	34	35	36	37	38	39	40	41	42	C-term.
SEQ ID NO:209	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	NAG	NAG	V	G	G	V	V	I	A	OH
SEQ ID NO:210	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	P	NAG	V	G	G	V	V	I	A	OH
SEQ ID NO:211	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	NAG	P	V	G	G	V	V	I	A	OH
SEQ ID NO:212	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	NAG	M	V	G	G	V	V	I	A	OH
SEQ ID NO:213	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	NAG	O	V	G	G	V	V	I	A	OH
SEQ ID NO:214	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	O	NAG	V	G	G	V	V	I	A	OH
SEQ ID NO:215	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:216	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I		NH2
SEQ ID NO:217	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V			NH2
SEQ ID NO:218	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V				NH2
SEQ ID NO:219	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G					NH2
SEQ ID NO:220	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G						NH2
SEQ ID NO:221	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V							NH2
SEQ ID NO:222	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M								NH2
SEQ ID NO:223	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L									NH2
SEQ ID NO:224	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG										NH2
SEQ ID NO:225	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAII										NH2
SEQ ID NO:226	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAI										NH2
SEQ ID NO:227	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGA										NH2
SEQ ID NO:228	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKG										NH2
SEQ ID NO:229	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNK										NH2
SEQ ID NO:230	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKPAIIG	L	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:231	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKKAIIG	L	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:232	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKRAIIG	L	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:233	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKHAIIG	L	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:234	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKEAIIG	L	M	V	G	G	V	V	I	A	NH2

FIG. 1I

Sequence ID#	N-Terminal Domain			Middle Domain	C-Terminal Domain										
	N-term.	1	2-18	19-24	25-33	34	35	36	37	38	39	40	41	42	C-term.
SEQ ID NO:235	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKDAIIG	L	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:236	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKSAIIG	L	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:237	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKTAIIG	L	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:238	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKNAIIG	L	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:239	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKQAIIG	L	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:240	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKCAIIG	L	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:241	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGPIIG	L	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:242	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGGIIG	L	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:243	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGKIIG	L	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:244	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGRIIG	L	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:245	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGHIIG	L	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:246	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGEIIG	L	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:247	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGDIIG	L	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:248	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGSIIG	L	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:249	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGTIIG	L	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:250	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGNIIG	L	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:251	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGQIIG	L	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:252	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGCIIG	L	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:253	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAPIG	L	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:254	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAGIG	L	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:255	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAKIG	L	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:256	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGARIG	L	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:257	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAHIG	L	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:258	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAEIG	L	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:259	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGADIG	L	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:260	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGASIG	L	M	V	G	G	V	V	I	A	NH2

FIG. 1J

Sequence ID#	N-Terminal Domain			Middle Domain	C-Terminal Domain										
	N-term.	1	2-18	19-24	25-33	34	35	36	37	38	39	40	41	42	C-term.
SEQ ID NO:261	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGATIG	L	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:262	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGANIG	L	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:263	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAQIG	L	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:264	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGACIG	L	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:265	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIPG	L	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:266	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIGG	L	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:267	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIKG	L	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:268	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIRG	L	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:269	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIHG	L	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:270	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIEG	L	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:271	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIDG	L	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:272	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAISG	L	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:273	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAITG	L	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:274	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAING	L	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:275	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIQG	L	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:276	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAICG	L	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:277	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIP	L	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:278	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIK	L	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:279	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIR	L	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:280	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIH	L	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:281	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIE	L	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:282	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIID	L	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:283	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIS	L	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:284	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIT	L	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:285	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIN	L	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:286	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIQ	L	M	V	G	G	V	V	I	A	NH2

FIG. 1K

Sequence ID#	N-Terminal Domain			Middle Domain	C-Terminal Domain										
	N-term.	1	2-18	19-24	25-33	34	35	36	37	38	39	40	41	42	C-term.
SEQ ID NO:287	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIC	L	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:288	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	P	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:289	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	G	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:290	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	K	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:291	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	R	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:292	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	H	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:293	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	E	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:294	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	D	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:295	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	S	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:296	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	T	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:297	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	N	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:298	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	Q	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:299	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	C	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:300	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	P	V	G	G	V	V	I	A	NH2
SEQ ID NO:301	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	G	V	G	G	V	V	I	A	NH2
SEQ ID NO:302	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	K	V	G	G	V	V	I	A	NH2
SEQ ID NO:303	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	R	V	G	G	V	V	I	A	NH2
SEQ ID NO:304	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	H	V	G	G	V	V	I	A	NH2
SEQ ID NO:305	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	E	V	G	G	V	V	I	A	NH2
SEQ ID NO:306	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	D	V	G	G	V	V	I	A	NH2
SEQ ID NO:307	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	S	V	G	G	V	V	I	A	NH2
SEQ ID NO:308	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	T	V	G	G	V	V	I	A	NH2
SEQ ID NO:309	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	N	V	G	G	V	V	I	A	NH2
SEQ ID NO:310	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	Q	V	G	G	V	V	I	A	NH2
SEQ ID NO:311	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	C	V	G	G	V	V	I	A	NH2
SEQ ID NO:312	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	P	G	G	V	V	I	A	NH2

FIG. 1L

Sequence ID#	N-Terminal Domain			Middle Domain	C-Terminal Domain										
	N-term.	1	2-18	19-24	25-33	34	35	36	37	38	39	40	41	42	C-term.
SEQ ID NO:313	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	G	G	G	V	V	I	A	NH2
SEQ ID NO:314	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	K	G	G	V	V	I	A	NH2
SEQ ID NO:315	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	R	G	G	V	V	I	A	NH2
SEQ ID NO:316	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	H	G	G	V	V	I	A	NH2
SEQ ID NO:317	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	E	G	G	V	V	I	A	NH2
SEQ ID NO:318	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	D	G	G	V	V	I	A	NH2
SEQ ID NO:319	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	S	G	G	V	V	I	A	NH2
SEQ ID NO:320	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	T	G	G	V	V	I	A	NH2
SEQ ID NO:321	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	N	G	G	V	V	I	A	NH2
SEQ ID NO:322	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	Q	G	G	V	V	I	A	NH2
SEQ ID NO:323	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	C	G	G	V	V	I	A	NH2
SEQ ID NO:324	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	P	G	V	V	I	A	NH2
SEQ ID NO:325	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	K	G	V	V	I	A	NH2
SEQ ID NO:326	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	R	G	V	V	I	A	NH2
SEQ ID NO:327	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	H	G	V	V	I	A	NH2
SEQ ID NO:328	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	E	G	V	V	I	A	NH2
SEQ ID NO:329	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	D	G	V	V	I	A	NH2
SEQ ID NO:330	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	S	G	V	V	I	A	NH2
SEQ ID NO:331	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	T	G	V	V	I	A	NH2
SEQ ID NO:332	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	N	G	V	V	I	A	NH2
SEQ ID NO:333	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	Q	G	V	V	I	A	NH2
SEQ ID NO:334	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	C	G	V	V	I	A	NH2
SEQ ID NO:335	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	P	V	V	I	A	NH2
SEQ ID NO:336	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	K	V	V	I	A	NH2
SEQ ID NO:337	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	R	V	V	I	A	NH2
SEQ ID NO:338	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	H	V	V	I	A	NH2

FIG. 1M

Sequence ID#	N-Terminal Domain			Middle Domain	C-Terminal Domain										
	N-term.	1	2-18	19-24	25-33	34	35	36	37	38	39	40	41	42	C-term.
SEQ ID NO:339	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	E	V	V	I	A	NH2
SEQ ID NO:340	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	D	V	V	I	A	NH2
SEQ ID NO:341	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	S	V	V	I	A	NH2
SEQ ID NO:342	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	T	V	V	I	A	NH2
SEQ ID NO:343	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	N	V	V	I	A	NH2
SEQ ID NO:344	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	Q	V	V	I	A	NH2
SEQ ID NO:345	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	C	V	V	I	A	NH2
SEQ ID NO:346	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	P	V	I	A	NH2
SEQ ID NO:347	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	G	V	I	A	NH2
SEQ ID NO:348	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	K	V	I	A	NH2
SEQ ID NO:349	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	R	V	I	A	NH2
SEQ ID NO:350	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	H	V	I	A	NH2
SEQ ID NO:351	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	E	V	I	A	NH2
SEQ ID NO:352	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	D	V	I	A	NH2
SEQ ID NO:353	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	S	V	I	A	NH2
SEQ ID NO:354	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	T	V	I	A	NH2
SEQ ID NO:355	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	N	V	I	A	NH2
SEQ ID NO:356	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	Q	V	I	A	NH2
SEQ ID NO:357	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	C	V	I	A	NH2
SEQ ID NO:358	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	P	I	A	NH2
SEQ ID NO:359	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	G	I	A	NH2
SEQ ID NO:360	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	K	I	A	NH2
SEQ ID NO:361	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	R	I	A	NH2
SEQ ID NO:362	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	H	I	A	NH2
SEQ ID NO:363	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	E	I	A	NH2
SEQ ID NO:364	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	D	I	A	NH2

FIG. 1N

Sequence ID#	N-Terminal Domain			Middle Domain	C-Terminal Domain										
	N-term.	1	2-18	19-24	25-33	34	35	36	37	38	39	40	41	42	C-term.
SEQ ID NO:365	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	S	I	A	NH2
SEQ ID NO:366	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	T	I	A	NH2
SEQ ID NO:367	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	N	I	A	NH2
SEQ ID NO:368	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	Q	I	A	NH2
SEQ ID NO:369	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	C	I	A	NH2
SEQ ID NO:370	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	P	A	NH2
SEQ ID NO:371	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	G	A	NH2
SEQ ID NO:372	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	K	A	NH2
SEQ ID NO:373	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	R	A	NH2
SEQ ID NO:374	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	H	A	NH2
SEQ ID NO:375	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	E	A	NH2
SEQ ID NO:376	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	D	A	NH2
SEQ ID NO:377	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	S	A	NH2
SEQ ID NO:378	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	T	A	NH2
SEQ ID NO:379	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	N	A	NH2
SEQ ID NO:380	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	Q	A	NH2
SEQ ID NO:381	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	C	A	NH2
SEQ ID NO:382	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	P	NH2
SEQ ID NO:383	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	G	NH2
SEQ ID NO:384	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	K	NH2
SEQ ID NO:385	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	R	NH2
SEQ ID NO:386	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	H	NH2
SEQ ID NO:387	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	E	NH2
SEQ ID NO:388	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	D	NH2
SEQ ID NO:389	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	S	NH2
SEQ ID NO:390	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	T	NH2

FIG. 1O

Sequence ID#	N-Terminal Domain			Middle Domain	C-Terminal Domain										
	N-term.	1	2-18	19-24	25-33	34	35	36	37	38	39	40	41	42	C-term.
SEQ ID NO:391	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	N	NH2
SEQ ID NO:392	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	Q	NH2
SEQ ID NO:393	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	C	NH2
SEQ ID NO:394	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	P	P	G	G	V	V	I	A	NH2
SEQ ID NO:395	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	P	P	G	P	V	V	I	A	NH2
SEQ ID NO:396	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIP	L	P	P	G	G	V	V	I	A	NH2
SEQ ID NO:397	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	P	OA	G	G	V	V	I	A	NH2
SEQ ID NO:398	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	P*	V	G	G	V	V	I	A	NH2
SEQ ID NO:399	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	PGA	V	G	G	V	V	I	A	NH2
SEQ ID NO:400	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	NMM	V	G	G	V	V	I	A	NH2
SEQ ID NO:401	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	CGA	V	G	G	V	V	I	A	NH2
SEQ ID NO:402	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	O	V	G	G	V	V	I	A	NH2
SEQ ID NO:403	H	D*	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	P	V	G	G	V	V	I	A	NH2
SEQ ID NO:404	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	P	P	V	G	G	V	V	I	A	NH2
SEQ ID NO:405	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	NML	NMM	V	G	G	V	V	I	A	NH2
SEQ ID NO:406	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	P	NMM	V	G	G	V	V	I	A	NH2
SEQ ID NO:407	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	NML	P	V	G	G	V	V	I	A	NH2
SEQ ID NO:408	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	NML	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:409	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	NHM	V	G	G	V	V	I	A	NH2
SEQ ID NO:410	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	NHL	NHM	V	G	G	V	V	I	A	NH2
SEQ ID NO:411	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	P	NHM	V	G	G	V	V	I	A	NH2
SEQ ID NO:412	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	NHL	P	V	G	G	V	V	I	A	NH2
SEQ ID NO:413	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	NHL	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:414	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	NHL	O	V	G	G	V	V	I	A	NH2
SEQ ID NO:415	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	O	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:416	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	O	NHM	V	G	G	V	V	I	A	NH2

FIG. 1P

Sequence ID#	N-Terminal Domain			Middle Domain	C-Terminal Domain										
	N-term.	1	2-18	19-24	25-33	34	35	36	37	38	39	40	41	42	C-term.
SEQ ID NO:417	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	NAG	V	G	G	V	V	I	A	NH2
SEQ ID NO:418	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	NCG	V	G	G	V	V	I	A	NH2
SEQ ID NO:419	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSN										NH2
SEQ ID NO:420	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GS										NH2
SEQ ID NO:421	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	G										NH2
SEQ ID NO:422	H	D	AEFRHDSGYEVHHQKLV	FFAEDV											NH2
SEQ ID NO:423	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	NAG	NAG	V	G	G	V	V	I	A	NH2
SEQ ID NO:424	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	P	NAG	V	G	G	V	V	I	A	NH2
SEQ ID NO:425	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	NAG	P	V	G	G	V	V	I	A	NH2
SEQ ID NO:426	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	NAG	M	V	G	G	V	V	I	A	NH2
SEQ ID NO:427	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	NAG	O	V	G	G	V	V	I	A	NH2
SEQ ID NO:428	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	O	NAG	V	G	G	V	V	I	A	NH2
SEQ ID NO:429	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:430	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I		NMA
SEQ ID NO:431	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V			NMA
SEQ ID NO:432	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V				NMA
SEQ ID NO:433	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G					NMA
SEQ ID NO:434	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G						NMA
SEQ ID NO:435	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V							NMA
SEQ ID NO:436	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M								NMA
SEQ ID NO:437	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L									NMA
SEQ ID NO:438	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG										NMA
SEQ ID NO:439	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAII										NMA
SEQ ID NO:440	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAI										NMA
SEQ ID NO:441	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGA										NMA
SEQ ID NO:442	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKG										NMA

FIG. 1Q

Sequence ID#	N-Terminal Domain			Middle Domain	C-Terminal Domain										
	N-term.	1	2-18	19-24	25-33	34	35	36	37	38	39	40	41	42	C-term.
SEQ ID NO:443	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNK										NMA
SEQ ID NO:444	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKPAIIG	L	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:445	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKKAIIG	L	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:446	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKRAIIG	L	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:447	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKHAIIG	L	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:448	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKEAIIG	L	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:449	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKDAIIG	L	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:450	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKSAIIG	L	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:451	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKTAIIG	L	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:452	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKNAIIG	L	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:453	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKQAIIG	L	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:454	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKCAIIG	L	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:455	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGPIIG	L	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:456	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGGIIG	L	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:457	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGKIIG	L	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:458	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGRIIG	L	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:459	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGHIIG	L	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:460	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGEIIG	L	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:461	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGDIIG	L	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:462	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGSIIG	L	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:463	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGTIIG	L	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:464	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGNIIG	L	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:465	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGQIIG	L	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:466	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGCIIG	L	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:467	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAPIG	L	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:468	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAGIG	L	M	V	G	G	V	V	I	A	NMA

FIG. 1R

Sequence ID#	N-Terminal Domain			Middle Domain	C-Terminal Domain										
	N-term.	1	2-18	19-24	25-33	34	35	36	37	38	39	40	41	42	C-term.
SEQ ID NO:469	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAKIG	L	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:470	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGARIG	L	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:471	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAHIG	L	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:472	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAEIG	L	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:473	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGADIG	L	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:474	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGASIG	L	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:475	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGATIG	L	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:476	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGANIG	L	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:477	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAQIG	L	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:478	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGACIG	L	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:479	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIPG	L	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:480	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIGG	L	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:481	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIKG	L	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:482	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIRG	L	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:483	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIHG	L	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:484	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIEG	L	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:485	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIDG	L	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:486	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAISG	L	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:487	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAITG	L	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:488	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAING	L	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:489	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIQG	L	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:490	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAICG	L	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:491	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIP	L	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:492	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIK	L	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:493	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIR	L	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:494	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIH	L	M	V	G	G	V	V	I	A	NMA

FIG. 1S

Sequence ID#	N-Terminal Domain			Middle Domain	C-Terminal Domain										
	N-term.	1	2-18	19-24	25-33	34	35	36	37	38	39	40	41	42	C-term.
SEQ ID NO:495	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIE	L	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:496	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIID	L	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:497	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIS	L	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:498	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIT	L	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:499	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIN	L	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:500	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIQ	L	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:501	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIC	L	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:502	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	P	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:503	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	G	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:504	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	K	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:505	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	R	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:506	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	H	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:507	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	E	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:508	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	D	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:509	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	S	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:510	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	T	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:511	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	N	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:512	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	Q	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:513	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	C	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:514	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	P	V	G	G	V	V	I	A	NMA
SEQ ID NO:515	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	G	V	G	G	V	V	I	A	NMA
SEQ ID NO:516	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	K	V	G	G	V	V	I	A	NMA
SEQ ID NO:517	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	R	V	G	G	V	V	I	A	NMA
SEQ ID NO:518	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	H	V	G	G	V	V	I	A	NMA
SEQ ID NO:519	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	E	V	G	G	V	V	I	A	NMA
SEQ ID NO:520	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	D	V	G	G	V	V	I	A	NMA

FIG. 1T

Sequence ID#	N-Terminal Domain			Middle Domain	C-Terminal Domain										
	N-term.	1	2-18	19-24	25-33	34	35	36	37	38	39	40	41	42	C-term.
SEQ ID NO:521	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	S	V	G	G	V	V	I	A	NMA
SEQ ID NO:522	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	T	V	G	G	V	V	I	A	NMA
SEQ ID NO:523	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	N	V	G	G	V	V	I	A	NMA
SEQ ID NO:524	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	Q	V	G	G	V	V	I	A	NMA
SEQ ID NO:525	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	C	V	G	G	V	V	I	A	NMA
SEQ ID NO:526	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	P	G	G	V	V	I	A	NMA
SEQ ID NO:527	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	G	G	G	V	V	I	A	NMA
SEQ ID NO:528	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	K	G	G	V	V	I	A	NMA
SEQ ID NO:529	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	R	G	G	V	V	I	A	NMA
SEQ ID NO:530	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	H	G	G	V	V	I	A	NMA
SEQ ID NO:531	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	E	G	G	V	V	I	A	NMA
SEQ ID NO:532	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	D	G	G	V	V	I	A	NMA
SEQ ID NO:533	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	S	G	G	V	V	I	A	NMA
SEQ ID NO:534	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	T	G	G	V	V	I	A	NMA
SEQ ID NO:535	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	N	G	G	V	V	I	A	NMA
SEQ ID NO:536	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	Q	G	G	V	V	I	A	NMA
SEQ ID NO:537	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	C	G	G	V	V	I	A	NMA
SEQ ID NO:538	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	P	G	V	V	I	A	NMA
SEQ ID NO:539	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	K	G	V	V	I	A	NMA
SEQ ID NO:540	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	R	G	V	V	I	A	NMA
SEQ ID NO:541	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	H	G	V	V	I	A	NMA
SEQ ID NO:542	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	E	G	V	V	I	A	NMA
SEQ ID NO:543	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	D	G	V	V	I	A	NMA
SEQ ID NO:544	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	S	G	V	V	I	A	NMA
SEQ ID NO:545	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	T	G	V	V	I	A	NMA
SEQ ID NO:546	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	N	G	V	V	I	A	NMA

FIG. 1U

Sequence ID#	N-Terminal Domain			Middle Domain	C-Terminal Domain										
	N-term.	1	2-18	19-24	25-33	34	35	36	37	38	39	40	41	42	C-term.
SEQ ID NO:547	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	Q	G	V	V	I	A	NMA
SEQ ID NO:548	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	C	G	V	V	I	A	NMA
SEQ ID NO:549	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	P	V	V	I	A	NMA
SEQ ID NO:550	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	K	V	V	I	A	NMA
SEQ ID NO:551	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	R	V	V	I	A	NMA
SEQ ID NO:552	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	H	V	V	I	A	NMA
SEQ ID NO:553	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	E	V	V	I	A	NMA
SEQ ID NO:554	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	D	V	V	I	A	NMA
SEQ ID NO:555	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	S	V	V	I	A	NMA
SEQ ID NO:556	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	T	V	V	I	A	NMA
SEQ ID NO:557	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	N	V	V	I	A	NMA
SEQ ID NO:558	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	Q	V	V	I	A	NMA
SEQ ID NO:559	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	C	V	V	I	A	NMA
SEQ ID NO:560	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	P	V	I	A	NMA
SEQ ID NO:561	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	G	V	I	A	NMA
SEQ ID NO:562	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	K	V	I	A	NMA
SEQ ID NO:563	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	R	V	I	A	NMA
SEQ ID NO:564	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	H	V	I	A	NMA
SEQ ID NO:565	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	E	V	I	A	NMA
SEQ ID NO:566	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	D	V	I	A	NMA
SEQ ID NO:567	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	S	V	I	A	NMA
SEQ ID NO:568	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	T	V	I	A	NMA
SEQ ID NO:569	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	N	V	I	A	NMA
SEQ ID NO:570	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	Q	V	I	A	NMA
SEQ ID NO:571	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	C	V	I	A	NMA
SEQ ID NO:572	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	P	I	A	NMA

FIG. 1V

Sequence ID#	N-Terminal Domain			Middle Domain	C-Terminal Domain										
	N-term.	1	2-18	19-24	25-33	34	35	36	37	38	39	40	41	42	C-term.
SEQ ID NO:573	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	G	I	A	NMA
SEQ ID NO:574	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	K	I	A	NMA
SEQ ID NO:575	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	R	I	A	NMA
SEQ ID NO:576	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	H	I	A	NMA
SEQ ID NO:577	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	E	I	A	NMA
SEQ ID NO:578	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	D	I	A	NMA
SEQ ID NO:579	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	S	I	A	NMA
SEQ ID NO:580	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	T	I	A	NMA
SEQ ID NO:581	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	N	I	A	NMA
SEQ ID NO:582	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	Q	I	A	NMA
SEQ ID NO:583	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	C	I	A	NMA
SEQ ID NO:584	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	P	A	NMA
SEQ ID NO:585	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	G	A	NMA
SEQ ID NO:586	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	K	A	NMA
SEQ ID NO:587	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	R	A	NMA
SEQ ID NO:588	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	H	A	NMA
SEQ ID NO:589	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	E	A	NMA
SEQ ID NO:590	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	D	A	NMA
SEQ ID NO:591	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	S	A	NMA
SEQ ID NO:592	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	T	A	NMA
SEQ ID NO:593	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	N	A	NMA
SEQ ID NO:594	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	Q	A	NMA
SEQ ID NO:595	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	C	A	NMA
SEQ ID NO:596	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	P	NMA
SEQ ID NO:597	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	G	NMA
SEQ ID NO:598	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	K	NMA

FIG. 1W

Sequence ID#	N-Terminal Domain			Middle Domain	C-Terminal Domain										
	N-term.	1	2-18	19-24	25-33	34	35	36	37	38	39	40	41	42	C-term.
SEQ ID NO:599	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	R	NMA
SEQ ID NO:600	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	H	NMA
SEQ ID NO:601	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	E	NMA
SEQ ID NO:602	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	D	NMA
SEQ ID NO:603	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	S	NMA
SEQ ID NO:604	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	T	NMA
SEQ ID NO:605	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	N	NMA
SEQ ID NO:606	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	Q	NMA
SEQ ID NO:607	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	C	NMA
SEQ ID NO:608	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	P	P	G	G	V	V	I	A	NMA
SEQ ID NO:609	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	P	P	G	P	V	V	I	A	NMA
SEQ ID NO:610	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIP	L	P	P	G	G	V	V	I	A	NMA
SEQ ID NO:611	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	P	OA	G	G	V	V	I	A	NMA
SEQ ID NO:612	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	P*	V	G	G	V	V	I	A	NMA
SEQ ID NO:613	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	PGA	V	G	G	V	V	I	A	NMA
SEQ ID NO:614	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	NMM	V	G	G	V	V	I	A	NMA
SEQ ID NO:615	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	CGA	V	G	G	V	V	I	A	NMA
SEQ ID NO:616	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	O	V	G	G	V	V	I	A	NMA
SEQ ID NO:617	H	D*	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	P	V	G	G	V	V	I	A	NMA
SEQ ID NO:618	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	P	P	V	G	G	V	V	I	A	NMA
SEQ ID NO:619	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	NML	NMM	V	G	G	V	V	I	A	NMA
SEQ ID NO:620	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	P	NMM	V	G	G	V	V	I	A	NMA
SEQ ID NO:621	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	NML	P	V	G	G	V	V	I	A	NMA
SEQ ID NO:622	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	NML	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:623	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	NAG	V	G	G	V	V	I	A	NMA
SEQ ID NO:624	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	NCG	V	G	G	V	V	I	A	NMA

FIG. 1X

Sequence ID#	N-Terminal Domain			Middle Domain	C-Terminal Domain										
	N-term.	1	2-18	19-24	25-33	34	35	36	37	38	39	40	41	42	C-term.
SEQ ID NO:625	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSN										NMA
SEQ ID NO:626	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GS										NMA
SEQ ID NO:627	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	G										NMA
SEQ ID NO:628	H	D	AEFRHDSGYEVHHQKLV	FFAEDV											NMA
SEQ ID NO:629	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	NAG	NAG	V	G	G	V	V	I	A	NMA
SEQ ID NO:630	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	P	NAG	V	G	G	V	V	I	A	NMA
SEQ ID NO:631	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	NAG	P	V	G	G	V	V	I	A	NMA
SEQ ID NO:632	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	NAG	M	V	G	G	V	V	I	A	NMA
SEQ ID NO:633	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	NAG	O	V	G	G	V	V	I	A	NMA
SEQ ID NO:634	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	O	NAG	V	G	G	V	V	I	A	NMA
SEQ ID NO:635	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	A	CA
SEQ ID NO:636	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I		CA
SEQ ID NO:637	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V			CA
SEQ ID NO:638	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V				CA
SEQ ID NO:639	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G					CA
SEQ ID NO:640	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G						CA
SEQ ID NO:641	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V							CA
SEQ ID NO:642	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M								CA
SEQ ID NO:643	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L									CA
SEQ ID NO:644	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG										CA
SEQ ID NO:645	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAII										CA
SEQ ID NO:646	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAI										CA
SEQ ID NO:647	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGA										CA
SEQ ID NO:648	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKG										CA
SEQ ID NO:649	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNK										CA
SEQ ID NO:650	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKPAIIG	L	M	V	G	G	V	V	I	A	CA

FIG. 1Y

Sequence ID#	N-Terminal Domain			Middle Domain	C-Terminal Domain										
	N-term.	1	2-18	19-24	25-33	34	35	36	37	38	39	40	41	42	C-term.
SEQ ID NO:651	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKKAIIG	L	M	V	G	G	V	V	I	A	CA
SEQ ID NO:652	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKRAIIG	L	M	V	G	G	V	V	I	A	CA
SEQ ID NO:653	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKHAIIG	L	M	V	G	G	V	V	I	A	CA
SEQ ID NO:654	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKEAIIG	L	M	V	G	G	V	V	I	A	CA
SEQ ID NO:655	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKDAIIG	L	M	V	G	G	V	V	I	A	CA
SEQ ID NO:656	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKSAIIG	L	M	V	G	G	V	V	I	A	CA
SEQ ID NO:657	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKTAIIG	L	M	V	G	G	V	V	I	A	CA
SEQ ID NO:658	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKNAIIG	L	M	V	G	G	V	V	I	A	CA
SEQ ID NO:659	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKQAIIG	L	M	V	G	G	V	V	I	A	CA
SEQ ID NO:660	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKCAIIG	L	M	V	G	G	V	V	I	A	CA
SEQ ID NO:661	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGPIIG	L	M	V	G	G	V	V	I	A	CA
SEQ ID NO:662	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGGIIG	L	M	V	G	G	V	V	I	A	CA
SEQ ID NO:663	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGKIIG	L	M	V	G	G	V	V	I	A	CA
SEQ ID NO:664	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGRIIG	L	M	V	G	G	V	V	I	A	CA
SEQ ID NO:665	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGHIIG	L	M	V	G	G	V	V	I	A	CA
SEQ ID NO:666	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGEIIG	L	M	V	G	G	V	V	I	A	CA
SEQ ID NO:667	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGDIIG	L	M	V	G	G	V	V	I	A	CA
SEQ ID NO:668	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGSIIG	L	M	V	G	G	V	V	I	A	CA
SEQ ID NO:669	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGTIIG	L	M	V	G	G	V	V	I	A	CA
SEQ ID NO:670	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGNIIG	L	M	V	G	G	V	V	I	A	CA
SEQ ID NO:671	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGQIIG	L	M	V	G	G	V	V	I	A	CA
SEQ ID NO:672	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGCIIG	L	M	V	G	G	V	V	I	A	CA
SEQ ID NO:673	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAPIG	L	M	V	G	G	V	V	I	A	CA
SEQ ID NO:674	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAGIG	L	M	V	G	G	V	V	I	A	CA
SEQ ID NO:675	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAKIG	L	M	V	G	G	V	V	I	A	CA
SEQ ID NO:676	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGARIG	L	M	V	G	G	V	V	I	A	CA

FIG. 1Z

Sequence ID#	N-Terminal Domain			Middle Domain	C-Terminal Domain										
	N-term.	1	2-18	19-24	25-33	34	35	36	37	38	39	40	41	42	C-term.
SEQ ID NO:677	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAHIG	L	M	V	G	G	V	V	I	A	CA
SEQ ID NO:678	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAEIG	L	M	V	G	G	V	V	I	A	CA
SEQ ID NO:679	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGADIG	L	M	V	G	G	V	V	I	A	CA
SEQ ID NO:680	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGASIG	L	M	V	G	G	V	V	I	A	CA
SEQ ID NO:681	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGATIG	L	M	V	G	G	V	V	I	A	CA
SEQ ID NO:682	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGANIG	L	M	V	G	G	V	V	I	A	CA
SEQ ID NO:683	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAQIG	L	M	V	G	G	V	V	I	A	CA
SEQ ID NO:684	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGACIG	L	M	V	G	G	V	V	I	A	CA
SEQ ID NO:685	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIPG	L	M	V	G	G	V	V	I	A	CA
SEQ ID NO:686	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIGG	L	M	V	G	G	V	V	I	A	CA
SEQ ID NO:687	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIKG	L	M	V	G	G	V	V	I	A	CA
SEQ ID NO:688	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIRG	L	M	V	G	G	V	V	I	A	CA
SEQ ID NO:689	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIHG	L	M	V	G	G	V	V	I	A	CA
SEQ ID NO:690	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIEG	L	M	V	G	G	V	V	I	A	CA
SEQ ID NO:691	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIDG	L	M	V	G	G	V	V	I	A	CA
SEQ ID NO:692	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAISG	L	M	V	G	G	V	V	I	A	CA
SEQ ID NO:693	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAITG	L	M	V	G	G	V	V	I	A	CA
SEQ ID NO:694	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAING	L	M	V	G	G	V	V	I	A	CA
SEQ ID NO:695	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIQG	L	M	V	G	G	V	V	I	A	CA
SEQ ID NO:696	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAICG	L	M	V	G	G	V	V	I	A	CA
SEQ ID NO:697	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIP	L	M	V	G	G	V	V	I	A	CA
SEQ ID NO:698	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIK	L	M	V	G	G	V	V	I	A	CA
SEQ ID NO:699	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIR	L	M	V	G	G	V	V	I	A	CA
SEQ ID NO:700	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIH	L	M	V	G	G	V	V	I	A	CA
SEQ ID NO:701	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIE	L	M	V	G	G	V	V	I	A	CA
SEQ ID NO:702	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIID	L	M	V	G	G	V	V	I	A	CA

FIG. 1AA

Sequence ID#	N-Terminal Domain			Middle Domain	C-Terminal Domain										
	N-term.	1	2-18	19-24	25-33	34	35	36	37	38	39	40	41	42	C-term.
SEQ ID NO:703	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIS	L	M	V	G	G	V	V	I	A	CA
SEQ ID NO:704	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIT	L	M	V	G	G	V	V	I	A	CA
SEQ ID NO:705	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIN	L	M	V	G	G	V	V	I	A	CA
SEQ ID NO:706	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIQ	L	M	V	G	G	V	V	I	A	CA
SEQ ID NO:707	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIC	L	M	V	G	G	V	V	I	A	CA
SEQ ID NO:708	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	P	M	V	G	G	V	V	I	A	CA
SEQ ID NO:709	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	G	M	V	G	G	V	V	I	A	CA
SEQ ID NO:710	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	K	M	V	G	G	V	V	I	A	CA
SEQ ID NO:711	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	R	M	V	G	G	V	V	I	A	CA
SEQ ID NO:712	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	H	M	V	G	G	V	V	I	A	CA
SEQ ID NO:713	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	E	M	V	G	G	V	V	I	A	CA
SEQ ID NO:714	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	D	M	V	G	G	V	V	I	A	CA
SEQ ID NO:715	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	S	M	V	G	G	V	V	I	A	CA
SEQ ID NO:716	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	T	M	V	G	G	V	V	I	A	CA
SEQ ID NO:717	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	N	M	V	G	G	V	V	I	A	CA
SEQ ID NO:718	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	Q	M	V	G	G	V	V	I	A	CA
SEQ ID NO:719	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	C	M	V	G	G	V	V	I	A	CA
SEQ ID NO:720	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	P	V	G	G	V	V	I	A	CA
SEQ ID NO:721	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	G	V	G	G	V	V	I	A	CA
SEQ ID NO:722	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	K	V	G	G	V	V	I	A	CA
SEQ ID NO:723	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	R	V	G	G	V	V	I	A	CA
SEQ ID NO:724	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	H	V	G	G	V	V	I	A	CA
SEQ ID NO:725	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	E	V	G	G	V	V	I	A	CA
SEQ ID NO:726	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	D	V	G	G	V	V	I	A	CA
SEQ ID NO:727	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	S	V	G	G	V	V	I	A	CA
SEQ ID NO:728	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	T	V	G	G	V	V	I	A	CA

FIG. 1BB

Sequence ID#	N-Terminal Domain			Middle Domain	C-Terminal Domain										
	N-term.	1	2-18	19-24	25-33	34	35	36	37	38	39	40	41	42	C-term.
SEQ ID NO:729	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	N	V	G	G	V	V	I	A	CA
SEQ ID NO:730	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	Q	V	G	G	V	V	I	A	CA
SEQ ID NO:731	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	C	V	G	G	V	V	I	A	CA
SEQ ID NO:732	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	P	G	G	V	V	I	A	CA
SEQ ID NO:733	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	G	G	G	V	V	I	A	CA
SEQ ID NO:734	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	K	G	G	V	V	I	A	CA
SEQ ID NO:735	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	R	G	G	V	V	I	A	CA
SEQ ID NO:736	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	H	G	G	V	V	I	A	CA
SEQ ID NO:737	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	E	G	G	V	V	I	A	CA
SEQ ID NO:738	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	D	G	G	V	V	I	A	CA
SEQ ID NO:739	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	S	G	G	V	V	I	A	CA
SEQ ID NO:740	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	T	G	G	V	V	I	A	CA
SEQ ID NO:741	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	N	G	G	V	V	I	A	CA
SEQ ID NO:742	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	Q	G	G	V	V	I	A	CA
SEQ ID NO:743	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	C	G	G	V	V	I	A	CA
SEQ ID NO:744	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	P	G	V	V	I	A	CA
SEQ ID NO:745	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	K	G	V	V	I	A	CA
SEQ ID NO:746	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	R	G	V	V	I	A	CA
SEQ ID NO:747	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	H	G	V	V	I	A	CA
SEQ ID NO:748	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	E	G	V	V	I	A	CA
SEQ ID NO:749	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	D	G	V	V	I	A	CA
SEQ ID NO:750	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	S	G	V	V	I	A	CA
SEQ ID NO:751	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	T	G	V	V	I	A	CA
SEQ ID NO:752	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	N	G	V	V	I	A	CA
SEQ ID NO:753	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	Q	G	V	V	I	A	CA
SEQ ID NO:754	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	C	G	V	V	I	A	CA

FIG. 1CC

Sequence ID#	N-Terminal Domain			Middle Domain	C-Terminal Domain										
	N-term.	1	2-18	19-24	25-33	34	35	36	37	38	39	40	41	42	C-term.
SEQ ID NO:755	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	P	V	V	I	A	CA
SEQ ID NO:756	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	K	V	V	I	A	CA
SEQ ID NO:757	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	R	V	V	I	A	CA
SEQ ID NO:758	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	H	V	V	I	A	CA
SEQ ID NO:759	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	E	V	V	I	A	CA
SEQ ID NO:760	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	D	V	V	I	A	CA
SEQ ID NO:761	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	S	V	V	I	A	CA
SEQ ID NO:762	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	T	V	V	I	A	CA
SEQ ID NO:763	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	N	V	V	I	A	CA
SEQ ID NO:764	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	Q	V	V	I	A	CA
SEQ ID NO:765	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	C	V	V	I	A	CA
SEQ ID NO:766	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	P	V	I	A	CA
SEQ ID NO:767	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	G	V	I	A	CA
SEQ ID NO:768	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	K	V	I	A	CA
SEQ ID NO:769	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	R	V	I	A	CA
SEQ ID NO:770	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	H	V	I	A	CA
SEQ ID NO:771	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	E	V	I	A	CA
SEQ ID NO:772	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	D	V	I	A	CA
SEQ ID NO:773	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	S	V	I	A	CA
SEQ ID NO:774	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	T	V	I	A	CA
SEQ ID NO:775	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	N	V	I	A	CA
SEQ ID NO:776	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	Q	V	I	A	CA
SEQ ID NO:777	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	C	V	I	A	CA
SEQ ID NO:778	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	P	I	A	CA
SEQ ID NO:779	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	G	I	A	CA
SEQ ID NO:780	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	K	I	A	CA

FIG. 1DD

Sequence ID#	N-Terminal Domain			Middle Domain	C-Terminal Domain										
	N-term.	1	2-18	19-24	25-33	34	35	36	37	38	39	40	41	42	C-term.
SEQ ID NO:781	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	R	I	A	CA
SEQ ID NO:782	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	H	I	A	CA
SEQ ID NO:783	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	E	I	A	CA
SEQ ID NO:784	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	D	I	A	CA
SEQ ID NO:785	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	S	I	A	CA
SEQ ID NO:786	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	T	I	A	CA
SEQ ID NO:787	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	N	I	A	CA
SEQ ID NO:788	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	Q	I	A	CA
SEQ ID NO:789	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	C	I	A	CA
SEQ ID NO:790	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	P	A	CA
SEQ ID NO:791	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	G	A	CA
SEQ ID NO:792	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	K	A	CA
SEQ ID NO:793	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	R	A	CA
SEQ ID NO:794	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	H	A	CA
SEQ ID NO:795	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	E	A	CA
SEQ ID NO:796	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	D	A	CA
SEQ ID NO:797	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	S	A	CA
SEQ ID NO:798	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	T	A	CA
SEQ ID NO:799	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	N	A	CA
SEQ ID NO:800	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	Q	A	CA
SEQ ID NO:801	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	C	A	CA
SEQ ID NO:802	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	P	CA
SEQ ID NO:803	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	G	CA
SEQ ID NO:804	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	K	CA
SEQ ID NO:805	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	R	CA
SEQ ID NO:806	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	H	CA

FIG. 1EE

Sequence ID#	N-Terminal Domain			Middle Domain	C-Terminal Domain										
	N-term.	1	2-18	19-24	25-33	34	35	36	37	38	39	40	41	42	C-term.
SEQ ID NO:807	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	E	CA
SEQ ID NO:808	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	D	CA
SEQ ID NO:809	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	S	CA
SEQ ID NO:810	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	T	CA
SEQ ID NO:811	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	N	CA
SEQ ID NO:812	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	Q	CA
SEQ ID NO:813	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	C	CA
SEQ ID NO:814	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	P	P	G	G	V	V	I	A	CA
SEQ ID NO:815	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	P	P	G	P	V	V	I	A	CA
SEQ ID NO:816	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIP	L	P	P	G	G	V	V	I	A	CA
SEQ ID NO:817	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	P	OA	G	G	V	V	I	A	CA
SEQ ID NO:818	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	P*	V	G	G	V	V	I	A	CA
SEQ ID NO:819	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	PGA	V	G	G	V	V	I	A	CA
SEQ ID NO:820	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	NMM	V	G	G	V	V	I	A	CA
SEQ ID NO:821	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	CGA	V	G	G	V	V	I	A	CA
SEQ ID NO:822	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	O	V	G	G	V	V	I	A	CA
SEQ ID NO:823	H	D*	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	P	V	G	G	V	V	I	A	CA
SEQ ID NO:824	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	P	P	V	G	G	V	V	I	A	CA
SEQ ID NO:825	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	NML	NMM	V	G	G	V	V	I	A	CA
SEQ ID NO:826	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	P	NMM	V	G	G	V	V	I	A	CA
SEQ ID NO:827	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	NML	P	V	G	G	V	V	I	A	CA
SEQ ID NO:828	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	NML	M	V	G	G	V	V	I	A	CA
SEQ ID NO:829	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	NAG	V	G	G	V	V	I	A	CA
SEQ ID NO:830	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	NCG	V	G	G	V	V	I	A	CA
SEQ ID NO:831	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSN										CA
SEQ ID NO:832	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GS										CA

FIG. 1FF

Sequence ID#	N-Terminal Domain			Middle Domain	C-Terminal Domain										
	N-term.	1	2-18	19-24	25-33	34	35	36	37	38	39	40	41	42	C-term.
SEQ ID NO:833	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	G										CA
SEQ ID NO:834	H	D	AEFRHDSGYEVHHQKLV	FFAEDV											CA
SEQ ID NO:835	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	NAG	NAG	V	G	G	V	V	I	A	CA
SEQ ID NO:836	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	P	NAG	V	G	G	V	V	I	A	CA
SEQ ID NO:837	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	NAG	P	V	G	G	V	V	I	A	CA
SEQ ID NO:838	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	NAG	M	V	G	G	V	V	I	A	CA
SEQ ID NO:839	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	NAG	O	V	G	G	V	V	I	A	CA
SEQ ID NO:840	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	O	NAG	V	G	G	V	V	I	A	CA
SEQ ID NO:841	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	A	ME
SEQ ID NO:842	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I		ME
SEQ ID NO:843	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V			ME
SEQ ID NO:844	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V				ME
SEQ ID NO:845	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G					ME
SEQ ID NO:846	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G						ME
SEQ ID NO:847	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V							ME
SEQ ID NO:848	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M								ME
SEQ ID NO:849	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L									ME
SEQ ID NO:850	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG										ME
SEQ ID NO:851	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAII										ME
SEQ ID NO:852	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAI										ME
SEQ ID NO:853	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGA										ME
SEQ ID NO:854	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKG										ME
SEQ ID NO:855	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNK										ME
SEQ ID NO:856	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKPAIIG	L	M	V	G	G	V	V	I	A	ME
SEQ ID NO:857	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKKAIIG	L	M	V	G	G	V	V	I	A	ME
SEQ ID NO:858	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKRAIIG	L	M	V	G	G	V	V	I	A	ME

FIG. 1GG

Sequence ID#	N-Terminal Domain			Middle Domain	C-Terminal Domain										
	N-term.	1	2-18	19-24	25-33	34	35	36	37	38	39	40	41	42	C-term.
SEQ ID NO:859	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKHAIIG	L	M	V	G	G	V	V	I	A	ME
SEQ ID NO:860	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKEAIIG	L	M	V	G	G	V	V	I	A	ME
SEQ ID NO:861	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKDAIIG	L	M	V	G	G	V	V	I	A	ME
SEQ ID NO:862	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKSAIIG	L	M	V	G	G	V	V	I	A	ME
SEQ ID NO:863	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKTAIIG	L	M	V	G	G	V	V	I	A	ME
SEQ ID NO:864	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKNAIIG	L	M	V	G	G	V	V	I	A	ME
SEQ ID NO:865	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKQAIIG	L	M	V	G	G	V	V	I	A	ME
SEQ ID NO:866	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKCAIIG	L	M	V	G	G	V	V	I	A	ME
SEQ ID NO:867	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGPIIG	L	M	V	G	G	V	V	I	A	ME
SEQ ID NO:868	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGGIIG	L	M	V	G	G	V	V	I	A	ME
SEQ ID NO:869	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGKIIG	L	M	V	G	G	V	V	I	A	ME
SEQ ID NO:870	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGRIIG	L	M	V	G	G	V	V	I	A	ME
SEQ ID NO:871	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGHIIG	L	M	V	G	G	V	V	I	A	ME
SEQ ID NO:872	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGEIIG	L	M	V	G	G	V	V	I	A	ME
SEQ ID NO:873	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGDIIG	L	M	V	G	G	V	V	I	A	ME
SEQ ID NO:874	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGSIIG	L	M	V	G	G	V	V	I	A	ME
SEQ ID NO:875	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGTIIG	L	M	V	G	G	V	V	I	A	ME
SEQ ID NO:876	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGNIIG	L	M	V	G	G	V	V	I	A	ME
SEQ ID NO:877	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGQIIG	L	M	V	G	G	V	V	I	A	ME
SEQ ID NO:878	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGCIIG	L	M	V	G	G	V	V	I	A	ME
SEQ ID NO:879	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAPIG	L	M	V	G	G	V	V	I	A	ME
SEQ ID NO:880	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAGIG	L	M	V	G	G	V	V	I	A	ME
SEQ ID NO:881	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAKIG	L	M	V	G	G	V	V	I	A	ME
SEQ ID NO:882	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGARIG	L	M	V	G	G	V	V	I	A	ME
SEQ ID NO:883	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAHIG	L	M	V	G	G	V	V	I	A	ME
SEQ ID NO:884	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAEIG	L	M	V	G	G	V	V	I	A	ME

FIG. 1HH

Sequence ID#	N-Terminal Domain			Middle Domain	C-Terminal Domain										
	N-term.	1	2-18	19-24	25-33	34	35	36	37	38	39	40	41	42	C-term.
SEQ ID NO:885	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGADIG	L	M	V	G	G	V	V	I	A	ME
SEQ ID NO:886	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGASIG	L	M	V	G	G	V	V	I	A	ME
SEQ ID NO:887	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGATIG	L	M	V	G	G	V	V	I	A	ME
SEQ ID NO:888	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGANIG	L	M	V	G	G	V	V	I	A	ME
SEQ ID NO:889	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAQIG	L	M	V	G	G	V	V	I	A	ME
SEQ ID NO:890	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGACIG	L	M	V	G	G	V	V	I	A	ME
SEQ ID NO:891	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIPG	L	M	V	G	G	V	V	I	A	ME
SEQ ID NO:892	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIGG	L	M	V	G	G	V	V	I	A	ME
SEQ ID NO:893	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIKG	L	M	V	G	G	V	V	I	A	ME
SEQ ID NO:894	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIRG	L	M	V	G	G	V	V	I	A	ME
SEQ ID NO:895	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIHG	L	M	V	G	G	V	V	I	A	ME
SEQ ID NO:896	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIEG	L	M	V	G	G	V	V	I	A	ME
SEQ ID NO:897	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIDG	L	M	V	G	G	V	V	I	A	ME
SEQ ID NO:898	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAISG	L	M	V	G	G	V	V	I	A	ME
SEQ ID NO:899	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAITG	L	M	V	G	G	V	V	I	A	ME
SEQ ID NO:900	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAING	L	M	V	G	G	V	V	I	A	ME
SEQ ID NO:901	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIQG	L	M	V	G	G	V	V	I	A	ME
SEQ ID NO:902	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAICG	L	M	V	G	G	V	V	I	A	ME
SEQ ID NO:903	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIP	L	M	V	G	G	V	V	I	A	ME
SEQ ID NO:904	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIK	L	M	V	G	G	V	V	I	A	ME
SEQ ID NO:905	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIR	L	M	V	G	G	V	V	I	A	ME
SEQ ID NO:906	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIH	L	M	V	G	G	V	V	I	A	ME
SEQ ID NO:907	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIE	L	M	V	G	G	V	V	I	A	ME
SEQ ID NO:908	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIID	L	M	V	G	G	V	V	I	A	ME
SEQ ID NO:909	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIS	L	M	V	G	G	V	V	I	A	ME
SEQ ID NO:910	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIT	L	M	V	G	G	V	V	I	A	ME

FIG. 1II

Sequence ID#	N-Terminal Domain			Middle Domain	C-Terminal Domain										
	N-term.	1	2-18	19-24	25-33	34	35	36	37	38	39	40	41	42	C-term.
SEQ ID NO:911	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIN	L	M	V	G	G	V	V	I	A	ME
SEQ ID NO:912	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIQ	L	M	V	G	G	V	V	I	A	ME
SEQ ID NO:913	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIC	L	M	V	G	G	V	V	I	A	ME
SEQ ID NO:914	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	P	M	V	G	G	V	V	I	A	ME
SEQ ID NO:915	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	G	M	V	G	G	V	V	I	A	ME
SEQ ID NO:916	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	K	M	V	G	G	V	V	I	A	ME
SEQ ID NO:917	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	R	M	V	G	G	V	V	I	A	ME
SEQ ID NO:918	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	H	M	V	G	G	V	V	I	A	ME
SEQ ID NO:919	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	E	M	V	G	G	V	V	I	A	ME
SEQ ID NO:920	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	D	M	V	G	G	V	V	I	A	ME
SEQ ID NO:921	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	S	M	V	G	G	V	V	I	A	ME
SEQ ID NO:922	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	T	M	V	G	G	V	V	I	A	ME
SEQ ID NO:923	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	N	M	V	G	G	V	V	I	A	ME
SEQ ID NO:924	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	Q	M	V	G	G	V	V	I	A	ME
SEQ ID NO:925	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	C	M	V	G	G	V	V	I	A	ME
SEQ ID NO:926	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	P	V	G	G	V	V	I	A	ME
SEQ ID NO:927	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	G	V	G	G	V	V	I	A	ME
SEQ ID NO:928	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	K	V	G	G	V	V	I	A	ME
SEQ ID NO:929	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	R	V	G	G	V	V	I	A	ME
SEQ ID NO:930	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	H	V	G	G	V	V	I	A	ME
SEQ ID NO:931	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	E	V	G	G	V	V	I	A	ME
SEQ ID NO:932	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	D	V	G	G	V	V	I	A	ME
SEQ ID NO:933	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	S	V	G	G	V	V	I	A	ME
SEQ ID NO:934	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	T	V	G	G	V	V	I	A	ME
SEQ ID NO:935	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	N	V	G	G	V	V	I	A	ME
SEQ ID NO:936	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	Q	V	G	G	V	V	I	A	ME

FIG. 1JJ

Sequence ID#	N-Terminal Domain			Middle Domain	C-Terminal Domain										
	N-term.	1	2-18	19-24	25-33	34	35	36	37	38	39	40	41	42	C-term.
SEQ ID NO:937	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	C	V	G	G	V	V	I	A	ME
SEQ ID NO:938	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	P	G	G	V	V	I	A	ME
SEQ ID NO:939	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	G	G	G	V	V	I	A	ME
SEQ ID NO:940	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	K	G	G	V	V	I	A	ME
SEQ ID NO:941	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	R	G	G	V	V	I	A	ME
SEQ ID NO:942	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	H	G	G	V	V	I	A	ME
SEQ ID NO:943	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	E	G	G	V	V	I	A	ME
SEQ ID NO:944	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	D	G	G	V	V	I	A	ME
SEQ ID NO:945	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	S	G	G	V	V	I	A	ME
SEQ ID NO:946	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	T	G	G	V	V	I	A	ME
SEQ ID NO:947	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	N	G	G	V	V	I	A	ME
SEQ ID NO:948	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	Q	G	G	V	V	I	A	ME
SEQ ID NO:949	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	C	G	G	V	V	I	A	ME
SEQ ID NO:950	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	P	G	V	V	I	A	ME
SEQ ID NO:951	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	K	G	V	V	I	A	ME
SEQ ID NO:952	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	R	G	V	V	I	A	ME
SEQ ID NO:953	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	H	G	V	V	I	A	ME
SEQ ID NO:954	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	E	G	V	V	I	A	ME
SEQ ID NO:955	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	D	G	V	V	I	A	ME
SEQ ID NO:956	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	S	G	V	V	I	A	ME
SEQ ID NO:957	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	T	G	V	V	I	A	ME
SEQ ID NO:958	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	N	G	V	V	I	A	ME
SEQ ID NO:959	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	Q	G	V	V	I	A	ME
SEQ ID NO:960	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	C	G	V	V	I	A	ME
SEQ ID NO:961	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	P	V	V	I	A	ME
SEQ ID NO:962	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	K	V	V	I	A	ME

FIG. 1KK

Sequence ID#	N-Terminal Domain			Middle Domain	C-Terminal Domain										
	N-term.	1	2-18	19-24	25-33	34	35	36	37	38	39	40	41	42	C-term.
SEQ ID NO:963	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	R	V	V	I	A	ME
SEQ ID NO:964	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	H	V	V	I	A	ME
SEQ ID NO:965	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	E	V	V	I	A	ME
SEQ ID NO:966	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	D	V	V	I	A	ME
SEQ ID NO:967	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	S	V	V	I	A	ME
SEQ ID NO:968	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	T	V	V	I	A	ME
SEQ ID NO:969	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	N	V	V	I	A	ME
SEQ ID NO:970	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	Q	V	V	I	A	ME
SEQ ID NO:971	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	C	V	V	I	A	ME
SEQ ID NO:972	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	P	V	I	A	ME
SEQ ID NO:973	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	G	V	I	A	ME
SEQ ID NO:974	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	K	V	I	A	ME
SEQ ID NO:975	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	R	V	I	A	ME
SEQ ID NO:976	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	H	V	I	A	ME
SEQ ID NO:977	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	E	V	I	A	ME
SEQ ID NO:978	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	D	V	I	A	ME
SEQ ID NO:979	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	S	V	I	A	ME
SEQ ID NO:980	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	T	V	I	A	ME
SEQ ID NO:981	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	N	V	I	A	ME
SEQ ID NO:982	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	Q	V	I	A	ME
SEQ ID NO:983	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	C	V	I	A	ME
SEQ ID NO:984	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	P	I	A	ME
SEQ ID NO:985	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	G	I	A	ME
SEQ ID NO:986	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	K	I	A	ME
SEQ ID NO:987	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	R	I	A	ME
SEQ ID NO:988	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	H	I	A	ME

FIG. 1LL

Sequence ID#	N-Terminal Domain			Middle Domain	C-Terminal Domain										
	N-term.	1	2-18	19-24	25-33	34	35	36	37	38	39	40	41	42	C-term.
SEQ ID NO:989	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	E	I	A	ME
SEQ ID NO:990	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	D	I	A	ME
SEQ ID NO:991	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	S	I	A	ME
SEQ ID NO:992	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	T	I	A	ME
SEQ ID NO:993	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	N	I	A	ME
SEQ ID NO:994	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	Q	I	A	ME
SEQ ID NO:995	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	C	I	A	ME
SEQ ID NO:996	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	P	A	ME
SEQ ID NO:997	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	G	A	ME
SEQ ID NO:998	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	K	A	ME
SEQ ID NO:999	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	R	A	ME
SEQ ID NO:1000	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	H	A	ME
SEQ ID NO:1001	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	E	A	ME
SEQ ID NO:1002	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	D	A	ME
SEQ ID NO:1003	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	S	A	ME
SEQ ID NO:1004	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	T	A	ME
SEQ ID NO:1005	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	N	A	ME
SEQ ID NO:1006	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	Q	A	ME
SEQ ID NO:1007	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	C	A	ME
SEQ ID NO:1008	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	P	ME
SEQ ID NO:1009	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	G	ME
SEQ ID NO:1010	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	K	ME
SEQ ID NO:1011	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	R	ME
SEQ ID NO:1012	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	H	ME
SEQ ID NO:1013	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	E	ME
SEQ ID NO:1014	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	D	ME

FIG. 1MM

Sequence ID#	N-Terminal Domain			Middle Domain	C-Terminal Domain										
	N-term.	1	2-18	19-24	25-33	34	35	36	37	38	39	40	41	42	C-term.
SEQ ID NO:1015	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	S	ME
SEQ ID NO:1016	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	T	ME
SEQ ID NO:1017	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	N	ME
SEQ ID NO:1018	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	Q	ME
SEQ ID NO:1019	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	C	ME
SEQ ID NO:1020	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	P	P	G	G	V	V	I	A	ME
SEQ ID NO:1021	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	P	P	G	P	V	V	I	A	ME
SEQ ID NO:1022	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIP	L	P	P	G	G	V	V	I	A	ME
SEQ ID NO:1023	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	P	OA	G	G	V	V	I	A	ME
SEQ ID NO:1024	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	P*	V	G	G	V	V	I	A	ME
SEQ ID NO:1025	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	PGA	V	G	G	V	V	I	A	ME
SEQ ID NO:1026	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	NMM	V	G	G	V	V	I	A	ME
SEQ ID NO:1027	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	CGA	V	G	G	V	V	I	A	ME
SEQ ID NO:1028	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	O	V	G	G	V	V	I	A	ME
SEQ ID NO:1029	H	D*	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	P	V	G	G	V	V	I	A	ME
SEQ ID NO:1030	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	P	P	V	G	G	V	V	I	A	ME
SEQ ID NO:1031	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	NML	NMM	V	G	G	V	V	I	A	ME
SEQ ID NO:1032	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	P	NMM	V	G	G	V	V	I	A	ME
SEQ ID NO:1033	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	NML	P	V	G	G	V	V	I	A	ME
SEQ ID NO:1034	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	NML	M	V	G	G	V	V	I	A	ME
SEQ ID NO:1035	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	NAG	V	G	G	V	V	I	A	ME
SEQ ID NO:1036	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	NCG	V	G	G	V	V	I	A	ME
SEQ ID NO:1037	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSN										ME
SEQ ID NO:1038	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GS										ME
SEQ ID NO:1039	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	G										ME
SEQ ID NO:1040	H	D	AEFRHDSGYEVHHQKLV	FFAEDV											ME

FIG. 1NN

Sequence ID#	N-Terminal Domain			Middle Domain	C-Terminal Domain										
	N-term.	1	2-18	19-24	25-33	34	35	36	37	38	39	40	41	42	C-term.
SEQ ID NO:1041	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	NAG	NAG	V	G	G	V	V	I	A	ME
SEQ ID NO:1042	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	P	NAG	V	G	G	V	V	I	A	ME
SEQ ID NO:1043	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	NAG	P	V	G	G	V	V	I	A	ME
SEQ ID NO:1044	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	NAG	M	V	G	G	V	V	I	A	ME
SEQ ID NO:1045	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	NAG	O	V	G	G	V	V	I	A	ME
SEQ ID NO:1046	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	O	NAG	V	G	G	V	V	I	A	ME
SEQ ID NO:1047	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1048	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I		Ald
SEQ ID NO:1049	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V			Ald
SEQ ID NO:1050	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V				Ald
SEQ ID NO:1051	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G					Ald
SEQ ID NO:1052	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G						Ald
SEQ ID NO:1053	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V							Ald
SEQ ID NO:1054	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M								Ald
SEQ ID NO:1055	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L									Ald
SEQ ID NO:1056	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG										Ald
SEQ ID NO:1057	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAII										Ald
SEQ ID NO:1058	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAI										Ald
SEQ ID NO:1059	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGA										Ald
SEQ ID NO:1060	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKG										Ald
SEQ ID NO:1061	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNK										Ald
SEQ ID NO:1062	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKPAIIG	L	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1063	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKKAIIG	L	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1064	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKRAIIG	L	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1065	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKHAIIG	L	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1066	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKEAIIG	L	M	V	G	G	V	V	I	A	Ald

FIG. 100

Sequence ID#	N-Terminal Domain			Middle Domain	C-Terminal Domain										
	N-term.	1	2-18	19-24	25-33	34	35	36	37	38	39	40	41	42	C-term.
SEQ ID NO:1067	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKDAIIG	L	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1068	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKSAIIG	L	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1069	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKTAIIG	L	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1070	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKNAIIG	L	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1071	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKQAIIG	L	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1072	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKCAIIG	L	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1073	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGPIIG	L	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1074	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGGIIG	L	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1075	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGKIIG	L	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1076	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGRIIG	L	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1077	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGHIIG	L	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1078	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGEIIG	L	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1079	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGDIIG	L	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1080	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGSIIG	L	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1081	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGTIIG	L	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1082	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGNIIG	L	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1083	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGQIIG	L	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1084	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGCIIG	L	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1085	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAPIG	L	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1086	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAGIG	L	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1087	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAKIG	L	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1088	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGARIG	L	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1089	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAHIG	L	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1090	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAEIG	L	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1091	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGADIG	L	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1092	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGASIG	L	M	V	G	G	V	V	I	A	Ald

FIG. 1PP

Sequence ID#	N-Terminal Domain			Middle Domain	C-Terminal Domain										
	N-term.	1	2-18	19-24	25-33	34	35	36	37	38	39	40	41	42	C-term.
SEQ ID NO:1093	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGATIG	L	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1094	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGANIG	L	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1095	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAQIG	L	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1096	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGACIG	L	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1097	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIPG	L	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1098	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIGG	L	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1099	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIKG	L	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1100	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIRG	L	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1101	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIHG	L	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1102	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIEG	L	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1103	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIDG	L	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1104	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAISG	L	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1105	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAITG	L	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1106	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAING	L	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1107	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIQG	L	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1108	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAICG	L	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1109	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIP	L	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1110	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIK	L	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1111	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIR	L	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1112	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIH	L	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1113	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIE	L	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1114	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIID	L	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1115	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIS	L	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1116	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIT	L	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1117	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIN	L	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1118	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIQ	L	M	V	G	G	V	V	I	A	Ald

FIG. 1QQ

Sequence ID#	N-Terminal Domain			Middle Domain	C-Terminal Domain										
	N-term.	1	2-18	19-24	25-33	34	35	36	37	38	39	40	41	42	C-term.
SEQ ID NO:1119	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIC	L	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1120	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	P	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1121	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	G	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1122	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	K	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1123	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	R	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1124	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	H	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1125	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	E	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1126	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	D	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1127	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	S	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1128	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	T	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1129	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	N	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1130	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	Q	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1131	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	C	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1132	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	P	V	G	G	V	V	I	A	Ald
SEQ ID NO:1133	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	G	V	G	G	V	V	I	A	Ald
SEQ ID NO:1134	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	K	V	G	G	V	V	I	A	Ald
SEQ ID NO:1135	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	R	V	G	G	V	V	I	A	Ald
SEQ ID NO:1136	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	H	V	G	G	V	V	I	A	Ald
SEQ ID NO:1137	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	E	V	G	G	V	V	I	A	Ald
SEQ ID NO:1138	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	D	V	G	G	V	V	I	A	Ald
SEQ ID NO:1139	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	S	V	G	G	V	V	I	A	Ald
SEQ ID NO:1140	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	T	V	G	G	V	V	I	A	Ald
SEQ ID NO:1141	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	N	V	G	G	V	V	I	A	Ald
SEQ ID NO:1142	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	Q	V	G	G	V	V	I	A	Ald
SEQ ID NO:1143	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	C	V	G	G	V	V	I	A	Ald
SEQ ID NO:1144	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	P	G	G	V	V	I	A	Ald

FIG. 1RR

Sequence ID#	N-Terminal Domain			Middle Domain	C-Terminal Domain										
	N-term.	1	2-18	19-24	25-33	34	35	36	37	38	39	40	41	42	C-term.
SEQ ID NO:1145	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	G	G	G	V	V	I	A	Ald
SEQ ID NO:1146	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	K	G	G	V	V	I	A	Ald
SEQ ID NO:1147	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	R	G	G	V	V	I	A	Ald
SEQ ID NO:1148	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	H	G	G	V	V	I	A	Ald
SEQ ID NO:1149	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	E	G	G	V	V	I	A	Ald
SEQ ID NO:1150	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	D	G	G	V	V	I	A	Ald
SEQ ID NO:1151	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	S	G	G	V	V	I	A	Ald
SEQ ID NO:1152	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	T	G	G	V	V	I	A	Ald
SEQ ID NO:1153	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	N	G	G	V	V	I	A	Ald
SEQ ID NO:1154	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	Q	G	G	V	V	I	A	Ald
SEQ ID NO:1155	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	C	G	G	V	V	I	A	Ald
SEQ ID NO:1156	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	P	G	V	V	I	A	Ald
SEQ ID NO:1157	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	K	G	V	V	I	A	Ald
SEQ ID NO:1158	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	R	G	V	V	I	A	Ald
SEQ ID NO:1159	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	H	G	V	V	I	A	Ald
SEQ ID NO:1160	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	E	G	V	V	I	A	Ald
SEQ ID NO:1161	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	D	G	V	V	I	A	Ald
SEQ ID NO:1162	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	S	G	V	V	I	A	Ald
SEQ ID NO:1163	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	T	G	V	V	I	A	Ald
SEQ ID NO:1164	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	N	G	V	V	I	A	Ald
SEQ ID NO:1165	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	Q	G	V	V	I	A	Ald
SEQ ID NO:1166	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	C	G	V	V	I	A	Ald
SEQ ID NO:1167	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	P	V	V	I	A	Ald
SEQ ID NO:1168	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	K	V	V	I	A	Ald
SEQ ID NO:1169	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	R	V	V	I	A	Ald
SEQ ID NO:1170	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	H	V	V	I	A	Ald

FIG. 1SS

Sequence ID#	N-Terminal Domain			Middle Domain	C-Terminal Domain										
	N-term.	1	2-18	19-24	25-33	34	35	36	37	38	39	40	41	42	C-term.
SEQ ID NO:1171	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	E	V	V	I	A	Ald
SEQ ID NO:1172	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	D	V	V	I	A	Ald
SEQ ID NO:1173	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	S	V	V	I	A	Ald
SEQ ID NO:1174	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	T	V	V	I	A	Ald
SEQ ID NO:1175	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	N	V	V	I	A	Ald
SEQ ID NO:1176	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	Q	V	V	I	A	Ald
SEQ ID NO:1177	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	C	V	V	I	A	Ald
SEQ ID NO:1178	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	P	V	I	A	Ald
SEQ ID NO:1179	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	G	V	I	A	Ald
SEQ ID NO:1180	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	K	V	I	A	Ald
SEQ ID NO:1181	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	R	V	I	A	Ald
SEQ ID NO:1182	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	H	V	I	A	Ald
SEQ ID NO:1183	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	E	V	I	A	Ald
SEQ ID NO:1184	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	D	V	I	A	Ald
SEQ ID NO:1185	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	S	V	I	A	Ald
SEQ ID NO:1186	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	T	V	I	A	Ald
SEQ ID NO:1187	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	N	V	I	A	Ald
SEQ ID NO:1188	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	Q	V	I	A	Ald
SEQ ID NO:1189	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	C	V	I	A	Ald
SEQ ID NO:1190	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	P	I	A	Ald
SEQ ID NO:1191	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	G	I	A	Ald
SEQ ID NO:1192	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	K	I	A	Ald
SEQ ID NO:1193	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	R	I	A	Ald
SEQ ID NO:1194	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	H	I	A	Ald
SEQ ID NO:1195	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	E	I	A	Ald
SEQ ID NO:1196	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	D	I	A	Ald

FIG. 1TT

Sequence ID#	N-Terminal Domain			Middle Domain	C-Terminal Domain										
	N-term.	1	2-18	19-24	25-33	34	35	36	37	38	39	40	41	42	C-term.
SEQ ID NO:1197	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	S	I	A	Ald
SEQ ID NO:1198	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	T	I	A	Ald
SEQ ID NO:1199	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	N	I	A	Ald
SEQ ID NO:1200	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	Q	I	A	Ald
SEQ ID NO:1201	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	C	I	A	Ald
SEQ ID NO:1202	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	P	A	Ald
SEQ ID NO:1203	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	G	A	Ald
SEQ ID NO:1204	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	K	A	Ald
SEQ ID NO:1205	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	R	A	Ald
SEQ ID NO:1206	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	H	A	Ald
SEQ ID NO:1207	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	E	A	Ald
SEQ ID NO:1208	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	D	A	Ald
SEQ ID NO:1209	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	S	A	Ald
SEQ ID NO:1210	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	T	A	Ald
SEQ ID NO:1211	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	N	A	Ald
SEQ ID NO:1212	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	Q	A	Ald
SEQ ID NO:1213	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	C	A	Ald
SEQ ID NO:1214	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	P	Ald
SEQ ID NO:1215	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	G	Ald
SEQ ID NO:1216	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	K	Ald
SEQ ID NO:1217	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	R	Ald
SEQ ID NO:1218	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	H	Ald
SEQ ID NO:1219	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	E	Ald
SEQ ID NO:1220	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	D	Ald
SEQ ID NO:1221	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	S	Ald
SEQ ID NO:1222	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	T	Ald

FIG. 1UU

Sequence ID#	N-Terminal Domain			Middle Domain	C-Terminal Domain										
	N-term.	1	2-18	19-24	25-33	34	35	36	37	38	39	40	41	42	C-term.
SEQ ID NO:1223	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	N	Ald
SEQ ID NO:1224	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	Q	Ald
SEQ ID NO:1225	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	C	Ald
SEQ ID NO:1226	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	P	P	G	G	V	V	I	A	Ald
SEQ ID NO:1227	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	P	P	G	P	V	V	I	A	Ald
SEQ ID NO:1228	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIP	L	P	P	G	G	V	V	I	A	Ald
SEQ ID NO:1229	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	P	OA	G	G	V	V	I	A	Ald
SEQ ID NO:1230	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	P*	V	G	G	V	V	I	A	Ald
SEQ ID NO:1231	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	PGA	V	G	G	V	V	I	A	Ald
SEQ ID NO:1232	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	NMM	V	G	G	V	V	I	A	Ald
SEQ ID NO:1233	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	CGA	V	G	G	V	V	I	A	Ald
SEQ ID NO:1234	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	O	V	G	G	V	V	I	A	Ald
SEQ ID NO:1235	H	D*	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	P	V	G	G	V	V	I	A	Ald
SEQ ID NO:1236	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	P	P	V	G	G	V	V	I	A	Ald
SEQ ID NO:1237	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	NML	NMM	V	G	G	V	V	I	A	Ald
SEQ ID NO:1238	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	P	NMM	V	G	G	V	V	I	A	Ald
SEQ ID NO:1239	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	NML	P	V	G	G	V	V	I	A	Ald
SEQ ID NO:1240	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	NML	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1241	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	NAG	V	G	G	V	V	I	A	Ald
SEQ ID NO:1242	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	NCG	V	G	G	V	V	I	A	Ald
SEQ ID NO:1243	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSN										Ald
SEQ ID NO:1244	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GS										Ald
SEQ ID NO:1245	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	G										Ald
SEQ ID NO:1246	H	D	AEFRHDSGYEVHHQKLV	FFAEDV											Ald
SEQ ID NO:1247	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	NAG	NAG	V	G	G	V	V	I	A	Ald
SEQ ID NO:1248	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	P	NAG	V	G	G	V	V	I	A	Ald

FIG. 1VV

Sequence ID#	N-Terminal Domain			Middle Domain	C-Terminal Domain										
	N-term.	1	2-18	19-24	25-33	34	35	36	37	38	39	40	41	42	C-term.
SEQ ID NO:1249	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	NAG	P	V	G	G	V	V	I	A	Ald
SEQ ID NO:1250	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	NAG	M	V	G	G	V	V	I	A	Ald
SEQ ID NO:1251	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	NAG	O	V	G	G	V	V	I	A	Ald
SEQ ID NO:1252	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	O	NAG	V	G	G	V	V	I	A	Ald
SEQ ID NO:1253	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1254	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I		Hyd
SEQ ID NO:1255	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V			Hyd
SEQ ID NO:1256	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V				Hyd
SEQ ID NO:1257	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G					Hyd
SEQ ID NO:1258	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G						Hyd
SEQ ID NO:1259	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V							Hyd
SEQ ID NO:1260	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M								Hyd
SEQ ID NO:1261	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L									Hyd
SEQ ID NO:1262	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG										Hyd
SEQ ID NO:1263	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAII										Hyd
SEQ ID NO:1264	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAI										Hyd
SEQ ID NO:1265	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGA										Hyd
SEQ ID NO:1266	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKG										Hyd
SEQ ID NO:1267	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNK										Hyd
SEQ ID NO:1268	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKPAIIG	L	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1269	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKKAIIG	L	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1270	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKRAIIG	L	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1271	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKHAIIG	L	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1272	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKEAIIG	L	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1273	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKDAIIG	L	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1274	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKSAIIG	L	M	V	G	G	V	V	I	A	Hyd

FIG. 1WW

Sequence ID#	N-Terminal Domain			Middle Domain	C-Terminal Domain										
	N-term.	1	2-18	19-24	25-33	34	35	36	37	38	39	40	41	42	C-term.
SEQ ID NO:1275	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKTAIIG	L	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1276	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKNAIIG	L	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1277	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKQAIIG	L	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1278	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKCAIIG	L	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1279	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGPIIG	L	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1280	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGGIIG	L	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1281	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGKIIG	L	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1282	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGRIIG	L	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1283	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGHIIG	L	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1284	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGEIIG	L	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1285	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGDIIG	L	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1286	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGSIIG	L	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1287	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGTIIG	L	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1288	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGNIIG	L	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1289	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGQIIG	L	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1290	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGCIIG	L	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1291	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAPIG	L	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1292	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAGIG	L	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1293	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAKIG	L	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1294	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGARIG	L	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1295	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAHIG	L	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1296	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAEIG	L	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1297	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGADIG	L	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1298	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGASIG	L	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1299	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGATIG	L	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1300	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGANIG	L	M	V	G	G	V	V	I	A	Hyd

FIG. 1XX

Sequence ID#	N-Terminal Domain			Middle Domain	C-Terminal Domain										
	N-term.	1	2-18	19-24	25-33	34	35	36	37	38	39	40	41	42	C-term.
SEQ ID NO:1301	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAQIG	L	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1302	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGACIG	L	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1303	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIPG	L	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1304	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIGG	L	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1305	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIKG	L	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1306	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIRG	L	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1307	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIHG	L	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1308	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIEG	L	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1309	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIDG	L	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1310	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAISG	L	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1311	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAITG	L	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1312	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAING	L	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1313	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIQG	L	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1314	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAICG	L	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1315	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIP	L	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1316	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIK	L	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1317	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIR	L	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1318	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIH	L	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1319	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIE	L	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1320	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIID	L	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1321	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIS	L	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1322	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIT	L	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1323	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIN	L	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1324	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIQ	L	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1325	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIC	L	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1326	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	P	M	V	G	G	V	V	I	A	Hyd

FIG. 1YY

Sequence ID#	N-Terminal Domain			Middle Domain	C-Terminal Domain										
	N-term.	1	2-18	19-24	25-33	34	35	36	37	38	39	40	41	42	C-term.
SEQ ID NO:1327	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	G	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1328	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	K	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1329	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	R	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1330	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	H	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1331	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	E	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1332	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	D	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1333	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	S	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1334	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	T	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1335	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	N	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1336	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	Q	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1337	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	C	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1338	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	P	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1339	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	G	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1340	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	K	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1341	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	R	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1342	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	H	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1343	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	E	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1344	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	D	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1345	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	S	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1346	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	T	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1347	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	N	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1348	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	Q	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1349	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	C	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1350	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	P	G	G	V	V	I	A	Hyd
SEQ ID NO:1351	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	G	G	G	V	V	I	A	Hyd
SEQ ID NO:1352	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	K	G	G	V	V	I	A	Hyd

FIG. 1ZZ

Sequence ID#	N-Terminal Domain			Middle Domain	C-Terminal Domain										
	N-term.	1	2-18	19-24	25-33	34	35	36	37	38	39	40	41	42	C-term.
SEQ ID NO:1353	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	R	G	G	V	V	I	A	Hyd
SEQ ID NO:1354	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	H	G	G	V	V	I	A	Hyd
SEQ ID NO:1355	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	E	G	G	V	V	I	A	Hyd
SEQ ID NO:1356	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	D	G	G	V	V	I	A	Hyd
SEQ ID NO:1357	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	S	G	G	V	V	I	A	Hyd
SEQ ID NO:1358	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	T	G	G	V	V	I	A	Hyd
SEQ ID NO:1359	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	N	G	G	V	V	I	A	Hyd
SEQ ID NO:1360	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	Q	G	G	V	V	I	A	Hyd
SEQ ID NO:1361	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	C	G	G	V	V	I	A	Hyd
SEQ ID NO:1362	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	P	G	V	V	I	A	Hyd
SEQ ID NO:1363	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	K	G	V	V	I	A	Hyd
SEQ ID NO:1364	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	R	G	V	V	I	A	Hyd
SEQ ID NO:1365	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	H	G	V	V	I	A	Hyd
SEQ ID NO:1366	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	E	G	V	V	I	A	Hyd
SEQ ID NO:1367	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	D	G	V	V	I	A	Hyd
SEQ ID NO:1368	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	S	G	V	V	I	A	Hyd
SEQ ID NO:1369	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	T	G	V	V	I	A	Hyd
SEQ ID NO:1370	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	N	G	V	V	I	A	Hyd
SEQ ID NO:1371	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	Q	G	V	V	I	A	Hyd
SEQ ID NO:1372	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	C	G	V	V	I	A	Hyd
SEQ ID NO:1373	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	P	V	V	I	A	Hyd
SEQ ID NO:1374	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	K	V	V	I	A	Hyd
SEQ ID NO:1375	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	R	V	V	I	A	Hyd
SEQ ID NO:1376	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	H	V	V	I	A	Hyd
SEQ ID NO:1377	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	E	V	V	I	A	Hyd
SEQ ID NO:1378	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	D	V	V	I	A	Hyd

FIG. 1AAA

Sequence ID#	N-Terminal Domain			Middle Domain	C-Terminal Domain										
	N-term.	1	2-18	19-24	25-33	34	35	36	37	38	39	40	41	42	C-term.
SEQ ID NO:1379	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	S	V	V	I	A	Hyd
SEQ ID NO:1380	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	T	V	V	I	A	Hyd
SEQ ID NO:1381	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	N	V	V	I	A	Hyd
SEQ ID NO:1382	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	Q	V	V	I	A	Hyd
SEQ ID NO:1383	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	C	V	V	I	A	Hyd
SEQ ID NO:1384	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	P	V	I	A	Hyd
SEQ ID NO:1385	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	G	V	I	A	Hyd
SEQ ID NO:1386	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	K	V	I	A	Hyd
SEQ ID NO:1387	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	R	V	I	A	Hyd
SEQ ID NO:1388	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	H	V	I	A	Hyd
SEQ ID NO:1389	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	E	V	I	A	Hyd
SEQ ID NO:1390	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	D	V	I	A	Hyd
SEQ ID NO:1391	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	S	V	I	A	Hyd
SEQ ID NO:1392	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	T	V	I	A	Hyd
SEQ ID NO:1393	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	N	V	I	A	Hyd
SEQ ID NO:1394	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	Q	V	I	A	Hyd
SEQ ID NO:1395	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	C	V	I	A	Hyd
SEQ ID NO:1396	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	P	I	A	Hyd
SEQ ID NO:1397	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	G	I	A	Hyd
SEQ ID NO:1398	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	K	I	A	Hyd
SEQ ID NO:1399	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	R	I	A	Hyd
SEQ ID NO:1400	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	H	I	A	Hyd
SEQ ID NO:1401	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	E	I	A	Hyd
SEQ ID NO:1402	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	D	I	A	Hyd
SEQ ID NO:1403	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	S	I	A	Hyd
SEQ ID NO:1404	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	T	I	A	Hyd

FIG. 1BBB

Sequence ID#	N-Terminal Domain			Middle Domain	C-Terminal Domain										
	N-term.	1	2-18	19-24	25-33	34	35	36	37	38	39	40	41	42	C-term.
SEQ ID NO:1405	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	N	I	A	Hyd
SEQ ID NO:1406	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	Q	I	A	Hyd
SEQ ID NO:1407	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	C	I	A	Hyd
SEQ ID NO:1408	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	P	A	Hyd
SEQ ID NO:1409	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	G	A	Hyd
SEQ ID NO:1410	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	K	A	Hyd
SEQ ID NO:1411	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	R	A	Hyd
SEQ ID NO:1412	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	H	A	Hyd
SEQ ID NO:1413	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	E	A	Hyd
SEQ ID NO:1414	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	D	A	Hyd
SEQ ID NO:1415	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	S	A	Hyd
SEQ ID NO:1416	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	T	A	Hyd
SEQ ID NO:1417	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	N	A	Hyd
SEQ ID NO:1418	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	Q	A	Hyd
SEQ ID NO:1419	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	C	A	Hyd
SEQ ID NO:1420	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	P	Hyd
SEQ ID NO:1421	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	G	Hyd
SEQ ID NO:1422	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	K	Hyd
SEQ ID NO:1423	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	R	Hyd
SEQ ID NO:1424	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	H	Hyd
SEQ ID NO:1425	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	E	Hyd
SEQ ID NO:1426	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	D	Hyd
SEQ ID NO:1427	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	S	Hyd
SEQ ID NO:1428	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	T	Hyd
SEQ ID NO:1429	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	N	Hyd
SEQ ID NO:1430	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	Q	Hyd

FIG. 1CCC

Sequence ID#	N-Terminal Domain			Middle Domain	C-Terminal Domain										
	N-term.	1	2-18	19-24	25-33	34	35	36	37	38	39	40	41	42	C-term.
SEQ ID NO:1431	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	C	Hyd
SEQ ID NO:1432	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	P	P	G	G	V	V	I	A	Hyd
SEQ ID NO:1433	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	P	P	G	P	V	V	I	A	Hyd
SEQ ID NO:1434	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIP	L	P	P	G	G	V	V	I	A	Hyd
SEQ ID NO:1435	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	P	OA	G	G	V	V	I	A	Hyd
SEQ ID NO:1436	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	P*	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1437	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	PGA	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1438	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	NMM	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1439	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	CGA	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1440	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	O	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1441	H	D*	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	P	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1442	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	P	P	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1443	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	NML	NMM	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1444	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	P	NMM	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1445	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	NML	P	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1446	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	NML	M	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1447	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	NAG	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1448	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	NCG	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1449	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSN										Hyd
SEQ ID NO:1450	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GS										Hyd
SEQ ID NO:1451	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	G										Hyd
SEQ ID NO:1452	H	D	AEFRHDSGYEVHHQKLV	FFAEDV											Hyd
SEQ ID NO:1453	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	NAG	NAG	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1454	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	P	NAG	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1455	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	NAG	P	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1456	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	NAG	M	V	G	G	V	V	I	A	Hyd

FIG. 1DDD

Sequence ID#	N-Terminal Domain			Middle Domain	C-Terminal Domain										
	N-term.	1	2-18	19-24	25-33	34	35	36	37	38	39	40	41	42	C-term.
SEQ ID NO:1457	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	NAG	O	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1458	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	O	NAG	V	G	G	V	V	I	A	Hyd
SEQ ID NO:1459	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1460	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I		HA
SEQ ID NO:1461	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V			HA
SEQ ID NO:1462	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V				HA
SEQ ID NO:1463	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G					HA
SEQ ID NO:1464	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G						HA
SEQ ID NO:1465	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V							HA
SEQ ID NO:1466	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M								HA
SEQ ID NO:1467	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L									HA
SEQ ID NO:1468	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG										HA
SEQ ID NO:1469	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAII										HA
SEQ ID NO:1470	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAI										HA
SEQ ID NO:1471	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGA										HA
SEQ ID NO:1472	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKG										HA
SEQ ID NO:1473	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNK										HA
SEQ ID NO:1474	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKPAIIG	L	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1475	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKKAIIG	L	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1476	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKRAIIG	L	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1477	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKHAIIG	L	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1478	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKEAIIG	L	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1479	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKDAIIG	L	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1480	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKSAIIG	L	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1481	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKTAIIG	L	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1482	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKNAIIG	L	M	V	G	G	V	V	I	A	HA

FIG. 1EEE

Sequence ID#	N-Terminal Domain			Middle Domain	C-Terminal Domain										
	N-term.	1	2-18	19-24	25-33	34	35	36	37	38	39	40	41	42	C-term.
SEQ ID NO:1483	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKQAIIG	L	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1484	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKCAIIG	L	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1485	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGPIIG	L	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1486	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGGIIG	L	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1487	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGKIIG	L	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1488	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGRIIG	L	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1489	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGHIIG	L	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1490	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGEIIG	L	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1491	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGDIIG	L	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1492	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGSIIG	L	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1493	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGTIIG	L	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1494	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGNIIG	L	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1495	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGQIIG	L	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1496	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGCIIG	L	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1497	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAPIG	L	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1498	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAGIG	L	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1499	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAKIG	L	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1500	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGARIG	L	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1501	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAHIG	L	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1502	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAEIG	L	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1503	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGADIG	L	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1504	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGASIG	L	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1505	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGATIG	L	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1506	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGANIG	L	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1507	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAQIG	L	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1508	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGACIG	L	M	V	G	G	V	V	I	A	HA

FIG. 1FFF

Sequence ID#	N-Terminal Domain			Middle Domain	C-Terminal Domain										
	N-term.	1	2-18	19-24	25-33	34	35	36	37	38	39	40	41	42	C-term.
SEQ ID NO:1509	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIPG	L	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1510	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIGG	L	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1511	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIKG	L	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1512	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIRG	L	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1513	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIHG	L	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1514	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIEG	L	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1515	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIDG	L	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1516	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAISG	L	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1517	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAITG	L	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1518	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAING	L	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1519	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIQG	L	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1520	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAICG	L	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1521	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIP	L	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1522	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIK	L	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1523	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIR	L	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1524	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIH	L	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1525	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIE	L	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1526	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIID	L	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1527	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIS	L	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1528	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIT	L	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1529	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIN	L	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1530	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIQ	L	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1531	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIC	L	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1532	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	P	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1533	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	G	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1534	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	K	M	V	G	G	V	V	I	A	HA

FIG. 1GGG

Sequence ID#	N-Terminal Domain			Middle Domain	C-Terminal Domain										
	N-term.	1	2-18	19-24	25-33	34	35	36	37	38	39	40	41	42	C-term.
SEQ ID NO:1535	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	R	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1536	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	H	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1537	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	E	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1538	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	D	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1539	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	S	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1540	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	T	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1541	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	N	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1542	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	Q	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1543	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	C	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1544	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	P	V	G	G	V	V	I	A	HA
SEQ ID NO:1545	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	G	V	G	G	V	V	I	A	HA
SEQ ID NO:1546	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	K	V	G	G	V	V	I	A	HA
SEQ ID NO:1547	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	R	V	G	G	V	V	I	A	HA
SEQ ID NO:1548	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	H	V	G	G	V	V	I	A	HA
SEQ ID NO:1549	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	E	V	G	G	V	V	I	A	HA
SEQ ID NO:1550	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	D	V	G	G	V	V	I	A	HA
SEQ ID NO:1551	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	S	V	G	G	V	V	I	A	HA
SEQ ID NO:1552	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	T	V	G	G	V	V	I	A	HA
SEQ ID NO:1553	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	N	V	G	G	V	V	I	A	HA
SEQ ID NO:1554	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	Q	V	G	G	V	V	I	A	HA
SEQ ID NO:1555	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	C	V	G	G	V	V	I	A	HA
SEQ ID NO:1556	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	P	G	G	V	V	I	A	HA
SEQ ID NO:1557	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	G	G	G	V	V	I	A	HA
SEQ ID NO:1558	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	K	G	G	V	V	I	A	HA
SEQ ID NO:1559	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	R	G	G	V	V	I	A	HA
SEQ ID NO:1560	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	H	G	G	V	V	I	A	HA

FIG. 1HHH

Sequence ID#	N-Terminal Domain			Middle Domain	C-Terminal Domain										
	N-term.	1	2-18	19-24	25-33	34	35	36	37	38	39	40	41	42	C-term.
SEQ ID NO:1561	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	E	G	G	V	V	I	A	HA
SEQ ID NO:1562	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	D	G	G	V	V	I	A	HA
SEQ ID NO:1563	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	S	G	G	V	V	I	A	HA
SEQ ID NO:1564	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	T	G	G	V	V	I	A	HA
SEQ ID NO:1565	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	N	G	G	V	V	I	A	HA
SEQ ID NO:1566	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	Q	G	G	V	V	I	A	HA
SEQ ID NO:1567	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	C	G	G	V	V	I	A	HA
SEQ ID NO:1568	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	P	G	V	V	I	A	HA
SEQ ID NO:1569	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	K	G	V	V	I	A	HA
SEQ ID NO:1570	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	R	G	V	V	I	A	HA
SEQ ID NO:1571	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	H	G	V	V	I	A	HA
SEQ ID NO:1572	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	E	G	V	V	I	A	HA
SEQ ID NO:1573	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	D	G	V	V	I	A	HA
SEQ ID NO:1574	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	S	G	V	V	I	A	HA
SEQ ID NO:1575	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	T	G	V	V	I	A	HA
SEQ ID NO:1576	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	N	G	V	V	I	A	HA
SEQ ID NO:1577	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	Q	G	V	V	I	A	HA
SEQ ID NO:1578	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	C	G	V	V	I	A	HA
SEQ ID NO:1579	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	P	V	V	I	A	HA
SEQ ID NO:1580	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	K	V	V	I	A	HA
SEQ ID NO:1581	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	R	V	V	I	A	HA
SEQ ID NO:1582	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	H	V	V	I	A	HA
SEQ ID NO:1583	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	E	V	V	I	A	HA
SEQ ID NO:1584	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	D	V	V	I	A	HA
SEQ ID NO:1585	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	S	V	V	I	A	HA
SEQ ID NO:1586	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	T	V	V	I	A	HA

FIG. 1III

Sequence ID#	N-Terminal Domain			Middle Domain	C-Terminal Domain										
	N-term.	1	2-18	19-24	25-33	34	35	36	37	38	39	40	41	42	C-term.
SEQ ID NO:1587	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	N	V	V	I	A	HA
SEQ ID NO:1588	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	Q	V	V	I	A	HA
SEQ ID NO:1589	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	C	V	V	I	A	HA
SEQ ID NO:1590	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	P	V	I	A	HA
SEQ ID NO:1591	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	G	V	I	A	HA
SEQ ID NO:1592	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	K	V	I	A	HA
SEQ ID NO:1593	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	R	V	I	A	HA
SEQ ID NO:1594	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	H	V	I	A	HA
SEQ ID NO:1595	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	E	V	I	A	HA
SEQ ID NO:1596	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	D	V	I	A	HA
SEQ ID NO:1597	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	S	V	I	A	HA
SEQ ID NO:1598	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	T	V	I	A	HA
SEQ ID NO:1599	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	N	V	I	A	HA
SEQ ID NO:1600	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	Q	V	I	A	HA
SEQ ID NO:1601	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	C	V	I	A	HA
SEQ ID NO:1602	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	P	I	A	HA
SEQ ID NO:1603	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	G	I	A	HA
SEQ ID NO:1604	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	K	I	A	HA
SEQ ID NO:1605	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	R	I	A	HA
SEQ ID NO:1606	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	H	I	A	HA
SEQ ID NO:1607	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	E	I	A	HA
SEQ ID NO:1608	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	D	I	A	HA
SEQ ID NO:1609	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	S	I	A	HA
SEQ ID NO:1610	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	T	I	A	HA
SEQ ID NO:1611	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	N	I	A	HA
SEQ ID NO:1612	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	Q	I	A	HA

FIG. 1JJJ

Sequence ID#	N-Terminal Domain			Middle Domain	C-Terminal Domain										
	N-term.	1	2-18	19-24	25-33	34	35	36	37	38	39	40	41	42	C-term.
SEQ ID NO:1613	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	C	I	A	HA
SEQ ID NO:1614	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	P	A	HA
SEQ ID NO:1615	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	G	A	HA
SEQ ID NO:1616	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	K	A	HA
SEQ ID NO:1617	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	R	A	HA
SEQ ID NO:1618	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	H	A	HA
SEQ ID NO:1619	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	E	A	HA
SEQ ID NO:1620	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	D	A	HA
SEQ ID NO:1621	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	S	A	HA
SEQ ID NO:1622	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	T	A	HA
SEQ ID NO:1623	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	N	A	HA
SEQ ID NO:1624	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	Q	A	HA
SEQ ID NO:1625	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	C	A	HA
SEQ ID NO:1626	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	P	HA
SEQ ID NO:1627	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	G	HA
SEQ ID NO:1628	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	K	HA
SEQ ID NO:1629	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	R	HA
SEQ ID NO:1630	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	H	HA
SEQ ID NO:1631	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	E	HA
SEQ ID NO:1632	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	D	HA
SEQ ID NO:1633	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	S	HA
SEQ ID NO:1634	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	T	HA
SEQ ID NO:1635	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	N	HA
SEQ ID NO:1636	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	Q	HA
SEQ ID NO:1637	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	M	V	G	G	V	V	I	C	HA
SEQ ID NO:1638	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	P	P	G	G	V	V	I	A	HA

FIG. 1KKK

Sequence ID#	N-Terminal Domain			Middle Domain	C-Terminal Domain										
	N-term.	1	2-18	19-24	25-33	34	35	36	37	38	39	40	41	42	C-term.
SEQ ID NO:1639	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	P	P	G	P	V	V	I	A	HA
SEQ ID NO:1640	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIP	L	P	P	G	G	V	V	I	A	HA
SEQ ID NO:1641	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	P	OA	G	G	V	V	I	A	HA
SEQ ID NO:1642	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	P*	V	G	G	V	V	I	A	HA
SEQ ID NO:1643	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	PGA	V	G	G	V	V	I	A	HA
SEQ ID NO:1644	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	NMM	V	G	G	V	V	I	A	HA
SEQ ID NO:1645	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	CGA	V	G	G	V	V	I	A	HA
SEQ ID NO:1646	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	O	V	G	G	V	V	I	A	HA
SEQ ID NO:1647	H	D*	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	P	V	G	G	V	V	I	A	HA
SEQ ID NO:1648	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	P	P	V	G	G	V	V	I	A	HA
SEQ ID NO:1649	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	NAG	V	G	G	V	V	I	A	HA
SEQ ID NO:1650	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	L	NCG	V	G	G	V	V	I	A	HA
SEQ ID NO:1651	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSN										HA
SEQ ID NO:1652	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GS										HA
SEQ ID NO:1653	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	G										HA
SEQ ID NO:1654	H	D	AEFRHDSGYEVHHQKLV	FFAEDV											HA
SEQ ID NO:1655	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	NAG	NAG	V	G	G	V	V	I	A	HA
SEQ ID NO:1656	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	P	NAG	V	G	G	V	V	I	A	HA
SEQ ID NO:1657	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	NAG	P	V	G	G	V	V	I	A	HA
SEQ ID NO:1658	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	NAG	M	V	G	G	V	V	I	A	HA
SEQ ID NO:1659	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	NAG	O	V	G	G	V	V	I	A	HA
SEQ ID NO:1660	H	D	AEFRHDSGYEVHHQKLV	FFAEDV	GSNKGAIIG	O	NAG	V	G	G	V	V	I	A	HA

FIG. 1LLL