

1	Arthropopsins	80	DCYERYETCKRPLVYFHPB	312
2	LWS-Facetopsins	1082	DCYDRYEETCKNPVYYYHHPK	311
3	Onychopsins	21	DCYDRYEETCKNPVYYYHHPB	310
4	SWS-Facetopsins	423	DCYDRYEETCKDPVYYYHHPB	313
5	UV-Facetopsins	153	DCYDRYEETCKRPFVYFHPB	306
6	Scallopsins	137	DCYDRYEETCKNPVYFHPK	305
7	Melanopsins M	356	DCYDRYEETCKNPVYFHPK	304
8	Melanopsins X	183	DCYDRYEETCKNPVYFHPK	303
9	Melanopsins L	4	DCYDRYEETCKNPVYFHPK	302
10	Parvopsins	24	DCYDRYEETCKNPVYFHPB	304
11	Dumopsins	18	DCYDRYEETCKNPVYFHPB	305
12	Lancopsins	24	DCYDRYEETCKNPVYFHPB	306
13	RHO1-Okopsins	389	NCEERYECCCKNPVYFHNKQ	313
14	RHO2-Okopsins	102	GCEERYECCCKNPVYFHNKQ	310
15	LWS-Okopsins	170	DCEERWHTCKNPVYFHNKQ	311
16	SWS2-Okopsins	34	NCEERECCCKNPVYFHNKQ	312
17	SWS1-Okopsins	181	GCEERYECCCKNPVYFHNKQ	311
18	Pinopsins	71	NCEERYEETCKNPVYFHNKQ	310
19	Cionopsins	2	DCEERYEETCKNPVYFHNKQ	311
20	Va-Opsins	130	DCEERYESTCKNPVYFHNKQ	312
21	Parapinopsins	117	DCEERYESTCKNPVYFHNKQ	311
22	Parietopsins	65	DCQERYEETCKNPVYFHNKQ	310
23	TMT1-Opsins	204	DCYERYEETCKNPVYFHNKQ	311
24	TMT2-Opsins	128	DCYERYEETCKNPVYFHNKQ	312
25	TMT3-Opsins	117	DCYERYEETCKNPVYFHNKQ	311
26	TMTL-Opsins	18	DCYERYEETCKNPVYFHNKQ	312
27	Encephalopsin	149	DCDERYEELCKNPVYFHSRK	311
28	Pteropsins	267	DCYERYEETCKNPVYFHNKQ	312
29	Livopsins	19	DCYERYEETCKNPVYFHNKQ	311
30	Annopsins	29	DCYERYEETCKNPVYFHNKQ	312
31	Nessopsins	96	DCYERYEETCKNPVYFHNKQ	311
32	Cnidopsins	143	DCYERYEETCKNPVYFHNKQ	312
33	Stranopsins C	16	DCYERYEETCKNPVYFHNKQ	311
34	Stranopsins A	59	DCYERYEETCKNPVYFHNKQ	312
35	Stranopsins B	31	DCYERYEETCKNPVYFHNKQ	311
36	Kiropsins	57	DCYERYEETCKNPVYFHNKQ	312
37	Qoshopsins (Opn7/Opn8)	701	DCYVCSETCKNPVYFHKPN	312
38	Fibopsins (Opn8/Opn9)	103	DCYYRYELCKNPVYFHSKI	311
39	Fiskopsins (Opn9/Opn10)	505	DCYDRCEETCKNPVYFHNBE	312
40	Euthropsins (Opn5/Opn6)	510	DCYDRYEETCKNPVYFHSCK	311
41	Tremopsins (Opn6/Opn7)	168	DCDTRYRCKNPVYFSSK	312
42	RGR-opsins	213	DCHDRYEETCKNAEYFHNKQ	311
43	Nemopsins	14	DCYDRYFETCKNPVYFHNKQ	312
44	Retinochromes	42	NCYERYEETCKNPVYFHNKQ	311
45	Astropsins	14	NCYDRYEETCKNPVYFHNKQ	312
46	Peropsins	155	DCYDRYDACKNPVYFHNKQ	311
47	Varropsins	30	DCYDRYEETCKNPVYFHNKQ	312
48	Gluopsins	52	SCFERYDICEPVYFHSCK	311
49	Go-opsins	65	DCYRYEETCKNPVYFHNKQ	312
50	Outgroup	535	DCYRYEETCKNPVYFHNKQ	311
			83	
			110	
			113	
			134	
			135	
			136	
			181	
			185	
			187	
			296	
			302	
			303	
			304	
			305	
			306	
			313	