

1	Nessopsins	86	RCEERYETCKNPYYFNR	83
2	Va-Opsins	149	DCEERFSTCKNPYYFNRKQ	110
3	RHO1-Okopsins	266	RCEERYETCKNPYYFNRKQ	113
4	RHO2-Okopsins	163	GCEERYETCKNPYYFNRKQ	134
5	SWS2-Okopsins	161	NCEERYETCKNPYYFNRKQ	135
6	SWS1-Okopsins	159	GCEERYETCKNPYYFNRKQ	136
7	Pinopsins	73	RCEERYETCKNPYYFNRKQ	181
8	LWS-Okopsins	155	DCEERWHTCKNPYYFNRBQ	185
9	Cionopsins	4	DCEERYETCKNPYYFNRKQ	187
10	Parapinopsins	142	DCEERYETCKNPYYFNRBQ	296
11	Parietopsins	71	DCQERYETCKNPYYFNRKQ	302
12	Annopsins	25	DCYERYETCKNPYYFNRKQ	303
13	TMT1-Opsins	185	DCYERYETCKNPYYFNRKQ	304
14	TMT3-Opsins	151	DCYERYETCKNPYYFNRNQ	305
15	TMT2-Opsins	141	DCYERYETCKNPYYFNRKQ	306
16	TMTL-Opsins	17	DCYERYETCKNPYYFNRNQ	313
17	Encephalopsin	144	DCDERYELCKNPYYFNRK	310
18	Livopsins	13	DCYERYETCKNPYYFNRKQ	311
19	Pteropsins	225	DCYERYETCKNPYYFNRNQ	312
20	Stranopsins A	41	RCEERYETCKNPYYFNRKQ	
21	Stranopsins B	22	RCEERYETCKNPYYFNRKQ	
22	Cnidopsins	133	RCEERYETCKNPYYFNRKQ	
23	Stranopsins C	5	RCEERYETCKNPYYFNRKQ	
24	Arthropopsins	74	DCYERYETCKNPYYFNRKQ	
25	Dumopsins	26	DCYERYETCKNPYYFNRKQ	
26	SWS-Facetopsins	369	DCYERYETCKNPYYFNRKQ	
27	UV-Facetopsins	143	DCYERYETCKNPYYFNRKQ	
28	LWS-Facetopsins	734	DCYERYETCKNPYYFNRKQ	
29	Onychopsins	6	DCYERYETCKNPYYFNRKQ	
30	Parvopsins	12	DCYERYETCKNPYYFNRKQ	
31	Scallopsins	116	DCYERYETCKNPYYFNRKQ	
32	Melanopsins M	371	DCYERYETCKNPYYFNRKQ	
33	Melanopsins X	194	DCYERYETCKNPYYFNRKQ	
34	Melanopsins L	4	DCYERYETCKNPYYFNRKQ	
35	Lancopsins	17	RCEERYETCKNPYYFNRKQ	
36	Peropsins	133	DCYERYETCKNPYYFNRKQ	
37	Astropsins	4	RCEERYETCKNPYYFNRKQ	
38	Varropsins	24	DCYERYETCKNPYYFNRKQ	
39	RGR-opsins	190	DCHERYETCKNPYYFNRKQ	
40	Nemopsins	3	DCYERYETCKNPYYFNRKQ	
41	Retinochromes	34	NCYERYETCKNPYYFNRKQ	
42	Gluopsins	39	SCFERYETCKNPYYFNRKQ	
43	Go-opsins	51	DCYERYETCKNPYYFNRKQ	
44	Euthropsins (Opn5/Opn10)	100	DCYERYETCKNPYYFNRKQ	
45	Fiskopsins (Opn9/Opn35)	53	DCYERYETCKNPYYFNRKQ	
46	Fibopsins (Opn8/Opn9)	109	DCYERYETCKNPYYFNRKQ	
47	Qoshopsins (Opn7/Opn2)	102	DCYERYETCKNPYYFNRKQ	
48	Tremopsins (Opn6)	176	DCDTRYETCKNPYYFNRKQ	
49	Kiropsins	10	RCYERYETCKNPYYFNRKQ	
50	Outgroup	1326	DCYERYETCKNPYYFNRKQ	