

1	Nessopsins	84	PCYERYETCKNPFIYYFN	83
2	Pteropsins	211	DCYERYETCKNPFIYFNITQ	110
3	Annopsins	25	DCYERYETCKNPFIYFNKQ	113
4	TMT1-Opsins	171	DCYERYETCKNPFIYFNKQ	134
5	TMT2-Opsins	136	DCYPRYETCKNPFIYFNKQ	135
6	TMT3-Opsins	141	DCYERYETCKNPFIYFNNO	136
7	TMTL-Opsins	16	DCYERYETCKNPFIYFNNO	181
8	Parapinopsins	136	DCEERYETCKNPFIYFNKQ	185
9	Pinopsins	68	DCEERYETCKNPFIYFNKQ	187
10	SWS1-Okopsins	147	GCEERYECCCKNPFIYFNKQ	296
11	RHO2-Okopsins	148	GCEERYECCCKNPFIYFNKQ	302
12	RHO1-Okopsins	221	RCEERYECCCKNPFIYFNKQ	303
13	SWS2-Okopsins	151	NCEERYECCCKNPFIYFNKQ	304
14	LWS-Okopsins	127	DCEERWHTCKNPFIYFNKQ	305
15	Cionopsins	2	DCEERYETCKNPFIYFNKQ	306
16	Va-Opsins	143	DCEERYETCKNPFIYFNKQ	313
17	Parietopsins	65	DCQERYETCKNPFIYFNKQ	310
18	Encephalopsin	130	DCDERYELCKNPFIYFSRK	311
19	Livopsins	12	DCYRCETCKNPFIYFNKQ	312
20	Cnidopsins	118	DCYERYETCKNPFIYFNKQ	
21	Stranopsins C	4	NCYPRYETCKNPFIYFHH	
22	Stranopsins A	30	RCYPRYETCKNPFIYFNKQ	
23	Stranopsins B	21	PCYPRYETCKNPFIYFNKQ	
24	Arthropins	65	DCYERYETCKNPFIYFHPH	
25	UV-Facetopsins	133	DCYDRYETCKNPFIYFHPH	
26	SWS-Facetopsins	337	DCYDRYETCKNPFIYFHPH	
27	LWS-Facetopsins	639	DCYDRYETCKNPFIYFHPK	
28	Onychopsins	6	DCYPRYETCKNPFIYFHPH	
29	Melanopsins X	184	DCYDRYETCKNPFIYFHPK	
30	Melanopsins L	4	DCYDRYETCKNPFIYFHPK	
31	Melanopsins M	146	DCYDRYETCKNPFIYFHPK	
32	Scallopsins	111	DCYPRYETCKNPFIYFHPK	
33	Parvopsins	11	DCYDRYETCKNPFIYFHPK	
34	Dumopsins	10	DCYDRYETCKNPFIYFHPH	
35	Lancopsins	29	DCYPRYETCKNPFIYFHPK	
36	Go-opsins	49	DCYRYETCKNPFIYFNKQ	
37	Tremopsins (Opn6)	166	DCDTRYRTCKNPFIYFSSK	
38	Qoshopsins (Opn7)	200	DCYVCSETCKNPFIYFKPN	
39	Fiskopsins (Opn9/Opn8)	145	DCYDRCEETCKNPFIYFNBE	
40	Euthropsins (Opn5)	106	DCYDRYETCKNPFIYFDEK	
41	Fibopsins (Opn8/Opn5)	105	DCYRYETCKNPFIYFSSK	
42	Kiropsins	24	DCYRYETCKNPFIYFNKQ	
43	Varropsins	23	DCYPRYETCKNPFIYFNKQ	
44	Peropsins	126	DCYDRYDACKNPFIYFNKK	
45	Astropsins	4	RCYPRYETCKNPFIYFHPK	
46	RGR-opsins	178	DCHPRYETCKNACFIYFNKQ	
47	Nemopsins	3	CYDRYFTCKNPFIYFNKQ	
48	Gluopsins	37	SCFERYDTCEPFIYFNKQ	
49	Retinochromes	31	NCYERYETCKNPFIYFNKQ	
50	Outgroup	1203	DCYPRYETCKNPFIYFNKQ	