

1	Nessopsins	84	PCYDRYETCKNPFIYYFNR	83
2	LWS-Facetopsins	835	DCYDRYETCKNPFIYYYHPK	110
3	Onychopsins	7	DCYPRYETCKNPFIYYYHPR	113
4	UV-Facetopsins	133	DCYDRYETCKRPFIYFHPR	134
5	SWS-Facetopsins	385	DCYDRYETCKDPFIYYYHPR	135
6	Scallopsins	118	DCYDRYETCKNPFIYYFHPK	136
7	Melanopsins X	172	DCYDRYETCKNPFIYYHPR	181
8	Melanopsins M	307	DCYDRYETCKNPFIYYHPK	185
9	Melanopsins L	4	DCYDRYETCKNPFIYFHPK	187
10	Arthropopsins	78	DCYERYETCKRPFIYFHPR	296
11	Lancopsins	18	PCYERYETCKNPFIYFHPR	302
12	Parvopsins	13	DCYDRYETCKNPFIYYFHPK	303
13	Dumopsins	14	DCYDRYETCKNPFIYFHPR	304
14	RGR-opsins	175	DCHDRYETCKNAFIYFHPR	305
15	Nemopsins	8	DCYDRYETCKNPFIYFHPR	306
16	Gluopsins	42	SCFERYDICEPIYFHPR	313
17	Retinochromes	34	NCYERYETCKNPFIYFHPR	310
18	Peropsins	133	DCYDRYDACKNPFIYFNKK	311
19	Astropsins	7	PCYDRYETCKNPFIYFHPK	312
20	Varropsins	27	DCYPRYETCKNPFIYFHPR	
21	Tremopsins (Opn6)	159	DCDTRYRCKNPFIYFSSK	
22	Fibopsins (Opn8/Opn15)	175	DCYRYETCKNPFIYFHPK	
23	Euthropsins (Opn51/Opn71)	107	DCYDRYETCKNPFIYFHPK	
24	Fiskopsins (Opn9/Opn45)	155	DCYDRCEETCKNPFIYFNBE	
25	Qoshopsins (Opn72/Opn77)	200	DCYVCSEETCKNPFIYFKPN	
26	Kiropsins	29	DCYRYETCKNPFIYFHPK	
27	Go-opsins	55	DCYRYETCKNPFIYFHPK	
28	Stranopsins B	36	PCYERYETCKNPFIYFNKK	
29	Stranopsins A	28	DCEDRYETCKNPFIYFNKK	
30	Cnidopsins	133	PCYERYETCKNPFIYFNKK	
31	Stranopsins C	10	PCYERYETCKNPFIYFNKK	
32	Annopsins	27	DCYERYETCKNPFIYFNKK	
33	Livopsins	13	DCYRSEETCKNPFIYFNKK	
34	Pteropsins	222	DCYRSEETCKNPFIYFNKK	
35	Encephalopsin	126	DCDERYELCKNPFIYFSRK	
36	TMT1-Opsins	170	DCYERYETCKNPFIYFNKK	
37	TMT3-Opsins	102	DCYERYETCKNPFIYFNKK	
38	TMT2-Opsins	118	DCYPRYETCKNPFIYFNKK	
39	TMTL-Opsins	17	DCYERYETCKNPFIYFNKK	
40	Parietopsins	61	DCQERYETCKNPFIYFNKK	
41	Parapinopsins	111	DCEERYETCKNPFIYFNKK	
42	Cionopsins	2	DCEERYETCKNPFIYFNKK	
43	Va-Opsins	125	DCEERYSTCKNPFIYFNKK	
44	Pinopsins	62	RCEERYETCKNPFIYFNKK	
45	LWS-Okopsins	138	DCEERWHTCKNPFIYFNKK	
46	SWS1-Okopsins	154	GCEERYECCKNPFIYFNKK	
47	RHO1-Okopsins	276	RCEERYECCKNPFIYFNKK	
48	RHO2-Okopsins	126	GCEERYECCKNPFIYFNKK	
49	SWS2-Okopsins	162	NCEERYECCKNPFIYFNKK	
50	Outgroup	1235	DCYPRYETCKNPFIYFNKK	