

1	Nessopsins	80	PCYDRYETCKNPITYYFNPR	312
2	Lancopsins	28	DCYPRYETCKNPITYYFPR	311
3	LWS-Facetopsins	578	DCYDRYETCKNPITYYYHPK	310
4	Onychopsins	6	DCYPRYETCKNPITYYYHPR	313
5	SWS-Facetopsins	314	DCYDRYETCKDPVYYYHPR	306
6	UV-Facetopsins	121	DCYDRYETCKRPVYYEHPR	305
7	Melanopsins X	174	DCYDRYETCKNPFIYYHPR	304
8	Melanopsins M	338	DCYDRYETCKNPFIYYHPK	303
9	Melanopsins L	4	DCYDRYETCKNPITYYFHPK	302
10	Arthropins	62	DCYERYETCKRPVYYFHPH	304
11	Scallopsins	107	DCYDRYETCKNPITYYFHPK	303
12	Parvopsins	11	DCYDRYETCKNPITYYFHPK	304
13	Dumopsins	8	DCYDRYETCKNPFIYFHPR	305
14	Encephalopsin	119	DCDERYELCKNPFIYFSRK	306
15	TMT3-Opsins	137	DCYERYETCKNPFIYFNNO	313
16	TMT2-Opsins	128	DCYPRYETCKNPFIYFNKQ	310
17	TMT1-Opsins	162	DCYERYETCKNPFIYFNKQ	311
18	TMTL-Opsins	16	DCYERYETCKNPFIYFNNO	312
19	SWS2-Okopsins	137	NCEERWECCKNPFIYFNKQ	312
20	RHO1-Okopsins	207	RCEERYECCKNPFIYFNKQ	311
21	RHO2-Okopsins	131	GCEERYECCKNPFIYFNKQ	310
22	SWS1-Okopsins	134	GCEERYECCKNPFIYFNKQ	313
23	Pinopsins	63	RCEERYETCKNPFIYFNKQ	310
24	LWS-Okopsins	107	DCEERWHTCKNPFIYFNRO	311
25	Cionopsins	2	DCEERYETCKNPFIYFNKQ	312
26	Va-Opsins	139	DCEERYESTCKNPFIYFNKQ	311
27	Parapinopsins	128	DCEERMETCKNPFIYFNRO	310
28	Parietopsins	64	DCQERYETCKNPFIYFNKQ	313
29	Livopsins	10	DCYRRCETCKNPFIYFNKQ	310
30	Annopsins	24	DCYERYETCKNPFIYFNKQ	311
31	Pteropsins	197	DCYERYETCKNPFIYFNTO	312
32	Cnidopsins	109	DCYERYETCKNPFIYFNKK	311
33	Stranopsins B	19	BCYRYETCKNPFIYFNPR	312
34	Stranopsins A	20	DCEDRYETCKNPFIYFNKQ	311
35	Stranopsins C	4	NCYPRYETCKNPITYYFHPH	312
36	Qoshopsins (Opn7/Opn8)	200	DCYVCEETCKNPITYYFKPN	312
37	Fibopsins (Opn8/Opn9)	181	DCYYRFELCKNPFIYFSK	312
38	Euthropsins (Opn5/Opn6)	100	DCYDRYETCKNPFIYFDSK	312
39	Fiskopsins (Opn9/Opn10)	165	DCYDRCEETCKNPFIYFNPR	312
40	Tremopsins (Opn6)	159	DCDTRYRTCKNPFIYFSSK	312
41	Kiropsins	24	DCYRYETCKNPFIYFNKK	312
42	Go-opsins	48	DCYRYETCKNPFIYFNKK	312
43	Nemopsins	3	CYDRYFTCRNPFIYYNPR	312
44	RGR-opsins	163	DCHRYETCKNAFIYYNER	312
45	Peropsins	119	DCYDRYDACKNPCIYFNKK	312
46	Astropsins	3	RCYRYETCKNPFIYFYSK	312
47	Gluopsins	36	SCFERYDICEPVLYYFPR	312
48	Retinochromes	27	NCYERYETCKXPFIYFSK	312
49	Varropsins	19	DCYPRYETCKNPFIYFNPR	312
50	Outgroup	1114	DCYPRYETCKNPFIYFNPR	312