

| Taxa                 | Total Opsins Outgroup |     |     |
|----------------------|-----------------------|-----|-----|
| Bilateria            |                       |     |     |
| ..Coelomata          |                       |     |     |
| ....Deuterostomia    |                       |     |     |
| .....Chordata        |                       |     |     |
| .....Craniata        | 576                   | 483 | 93  |
| .....Cephalochordata | 8                     | 8   | 0   |
| .....Tunicata        | 0                     | 0   | 0   |
| .....Echinodermata   | 13                    | 12  | 1   |
| .....Hemichordata    | 1                     | 0   | 1   |
| ....Protostomia      |                       |     |     |
| .....Annelida        | 12                    | 10  | 2   |
| .....Arthropoda      | 262                   | 242 | 20  |
| .....Brachiopoda     | 0                     | 0   | 0   |
| .....Rotifera        | 0                     | 0   | 0   |
| .....Tardigrada      | 1                     | 0   | 1   |
| .....Onychophora     | 0                     | 0   | 0   |
| .....Mollusca        | 23                    | 23  | 0   |
| .....Nematoda        | 10                    | 4   | 6   |
| ....Acoelomata       |                       |     |     |
| .....Platyhelminthes | 5                     | 5   | 0   |
| Cnidaria             | 35                    | 26  | 9   |
| Ctenophora           | 0                     | 0   | 0   |
| Placozoa             | 28                    | 1   | 27  |
| Unknown              | 5                     | 4   | 1   |
| Total                | 979                   | 818 | 161 |