

| Taxa                 | Total Opsins Outgroup |     |     |
|----------------------|-----------------------|-----|-----|
| Bilateria            |                       |     |     |
| ..Coelomata          |                       |     |     |
| ....Deuterostomia    |                       |     |     |
| .....Chordata        |                       |     |     |
| .....Craniata        | 564                   | 166 | 398 |
| .....Cephalochordata | 6                     | 3   | 3   |
| .....Tunicata        | 2                     | 0   | 2   |
| .....Echinodermata   | 7                     | 1   | 6   |
| .....Hemichordata    | 2                     | 2   | 0   |
| ....Protostomia      |                       |     |     |
| .....Annelida        | 16                    | 3   | 13  |
| .....Arthropoda      | 254                   | 7   | 247 |
| .....Brachiopoda     | 4                     | 1   | 3   |
| .....Rotifera        | 0                     | 0   | 0   |
| .....Tardigrada      | 1                     | 0   | 1   |
| .....Onychophora     | 0                     | 0   | 0   |
| .....Mollusca        | 29                    | 9   | 20  |
| .....Nematoda        | 3                     | 0   | 3   |
| ....Acoelomata       |                       |     |     |
| .....Platyhelminthes | 10                    | 0   | 10  |
| Cnidaria             | 34                    | 0   | 34  |
| Ctenophora           | 0                     | 0   | 0   |
| Placozoa             | 26                    | 0   | 26  |
| Unknown              | 5                     | 0   | 5   |
| Total                | 963                   | 192 | 771 |