

| Taxa                 | Total Opsins Outgroup |     |     |
|----------------------|-----------------------|-----|-----|
| Bilateria            |                       |     |     |
| ..Coelomata          |                       |     |     |
| ....Deuterostomia    |                       |     |     |
| .....Chordata        |                       |     |     |
| .....Craniata        | 600                   | 94  | 506 |
| .....Cephalochordata | 15                    | 4   | 11  |
| .....Tunicata        | 2                     | 1   | 1   |
| .....Echinodermata   | 7                     | 0   | 7   |
| .....Hemichordata    | 1                     | 0   | 1   |
| ....Protostomia      |                       |     |     |
| .....Annelida        | 12                    | 0   | 12  |
| .....Arthropoda      | 224                   | 26  | 198 |
| .....Brachiopoda     | 0                     | 0   | 0   |
| .....Rotifera        | 1                     | 0   | 1   |
| .....Tardigrada      | 1                     | 1   | 0   |
| .....Onychophora     | 0                     | 0   | 0   |
| .....Mollusca        | 18                    | 3   | 15  |
| .....Nematoda        | 3                     | 0   | 3   |
| ....Acoelomata       |                       |     |     |
| .....Platyhelminthes | 10                    | 1   | 9   |
| Cnidaria             | 31                    | 5   | 26  |
| Ctenophora           | 0                     | 0   | 0   |
| Placozoa             | 32                    | 32  | 0   |
| Unknown              | 6                     | 0   | 6   |
| Total                | 963                   | 167 | 796 |