

| Taxa                 | Total Opsins Outgroup |     |     |
|----------------------|-----------------------|-----|-----|
| Bilateria            |                       |     |     |
| ..Coelomata          |                       |     |     |
| ....Deuterostomia    |                       |     |     |
| .....Chordata        |                       |     |     |
| .....Craniata        | 562                   | 493 | 69  |
| .....Cephalochordata | 5                     | 5   | 0   |
| .....Tunicata        | 0                     | 0   | 0   |
| .....Echinodermata   | 9                     | 6   | 3   |
| .....Hemichordata    | 1                     | 1   | 0   |
| ....Protostomia      |                       |     |     |
| .....Annelida        | 10                    | 10  | 0   |
| .....Arthropoda      | 233                   | 216 | 17  |
| .....Brachiopoda     | 1                     | 0   | 1   |
| .....Rotifera        | 2                     | 2   | 0   |
| .....Tardigrada      | 1                     | 1   | 0   |
| .....Onychophora     | 0                     | 0   | 0   |
| .....Mollusca        | 22                    | 22  | 0   |
| .....Nematoda        | 7                     | 1   | 6   |
| ....Acoelomata       |                       |     |     |
| .....Platyhelminthes | 6                     | 5   | 1   |
| Cnidaria             | 29                    | 23  | 6   |
| Ctenophora           | 0                     | 0   | 0   |
| Placozoa             | 26                    | 0   | 26  |
| Unknown              | 5                     | 5   | 0   |
| Total                | 919                   | 790 | 129 |