

| Taxa                 | Total Opsins Outgroup |     |     |
|----------------------|-----------------------|-----|-----|
| Bilateria            |                       |     |     |
| ..Coelomata          |                       |     |     |
| ....Deuterostomia    |                       |     |     |
| .....Chordata        |                       |     |     |
| .....Craniata        | 606                   | 92  | 514 |
| .....Cephalochordata | 8                     | 1   | 7   |
| .....Tunicata        | 1                     | 0   | 1   |
| .....Echinodermata   | 4                     | 1   | 3   |
| .....Hemichordata    | 3                     | 1   | 2   |
| ....Protostomia      |                       |     |     |
| .....Annelida        | 6                     | 0   | 6   |
| .....Arthropoda      | 243                   | 21  | 222 |
| .....Brachiopoda     | 3                     | 1   | 2   |
| .....Rotifera        | 1                     | 0   | 1   |
| .....Tardigrada      | 2                     | 0   | 2   |
| .....Onychophora     | 0                     | 0   | 0   |
| .....Mollusca        | 30                    | 5   | 25  |
| .....Nematoda        | 5                     | 3   | 2   |
| ....Acoelomata       |                       |     |     |
| .....Platyhelminthes | 7                     | 1   | 6   |
| Cnidaria             | 36                    | 9   | 27  |
| Ctenophora           | 0                     | 0   | 0   |
| Placozoa             | 40                    | 40  | 0   |
| Unknown              | 2                     | 0   | 2   |
| Total                | 997                   | 175 | 822 |