

| Taxa                 | Total Opsins Outgroup |     |     |
|----------------------|-----------------------|-----|-----|
| Bilateria            |                       |     |     |
| ..Coelomata          |                       |     |     |
| ....Deuterostomia    |                       |     |     |
| .....Chordata        |                       |     |     |
| .....Craniata        | 522                   | 75  | 447 |
| .....Cephalochordata | 7                     | 1   | 6   |
| .....Tunicata        | 1                     | 1   | 0   |
| .....Echinodermata   | 6                     | 1   | 5   |
| .....Hemichordata    | 2                     | 0   | 2   |
| ....Protostomia      |                       |     |     |
| .....Annelida        | 7                     | 1   | 6   |
| .....Arthropoda      | 248                   | 27  | 221 |
| .....Brachiopoda     | 1                     | 1   | 0   |
| .....Rotifera        | 1                     | 0   | 1   |
| .....Tardigrada      | 1                     | 0   | 1   |
| .....Onychophora     | 0                     | 0   | 0   |
| .....Mollusca        | 19                    | 1   | 18  |
| .....Nematoda        | 8                     | 7   | 1   |
| ....Acoelomata       |                       |     |     |
| .....Platyhelminthes | 8                     | 2   | 6   |
| Cnidaria             | 33                    | 3   | 30  |
| Ctenophora           | 0                     | 0   | 0   |
| Placozoa             | 38                    | 38  | 0   |
| Unknown              | 4                     | 1   | 3   |
| Total                | 906                   | 159 | 747 |