

| Taxa                 | Total Opsins Outgroup |     |     |
|----------------------|-----------------------|-----|-----|
| Bilateria            |                       |     |     |
| ..Coelomata          |                       |     |     |
| ....Deuterostomia    |                       |     |     |
| .....Chordata        |                       |     |     |
| .....Craniata        | 537                   | 452 | 85  |
| .....Cephalochordata | 9                     | 9   | 0   |
| .....Tunicata        | 0                     | 0   | 0   |
| .....Echinodermata   | 7                     | 6   | 1   |
| .....Hemichordata    | 0                     | 0   | 0   |
| ....Protostomia      |                       |     |     |
| .....Annelida        | 9                     | 5   | 4   |
| .....Arthropoda      | 225                   | 197 | 28  |
| .....Brachiopoda     | 1                     | 1   | 0   |
| .....Rotifera        | 2                     | 2   | 0   |
| .....Tardigrada      | 2                     | 2   | 0   |
| .....Onychophora     | 1                     | 1   | 0   |
| .....Mollusca        | 33                    | 30  | 3   |
| .....Nematoda        | 6                     | 2   | 4   |
| ....Acoelomata       |                       |     |     |
| .....Platyhelminthes | 8                     | 7   | 1   |
| Cnidaria             | 39                    | 33  | 6   |
| Ctenophora           | 0                     | 0   | 0   |
| Placozoa             | 24                    | 0   | 24  |
| Unknown              | 3                     | 3   | 0   |
| Total                | 906                   | 750 | 156 |