

| Taxa                 | Total Opsins Outgroup |     |     |
|----------------------|-----------------------|-----|-----|
| Bilateria            |                       |     |     |
| ..Coelomata          |                       |     |     |
| ....Deuterostomia    |                       |     |     |
| .....Chordata        |                       |     |     |
| .....Craniata        | 553                   | 97  | 456 |
| .....Cephalochordata | 6                     | 2   | 4   |
| .....Tunicata        | 1                     | 1   | 0   |
| .....Echinodermata   | 12                    | 1   | 11  |
| .....Hemichordata    | 3                     | 1   | 2   |
| ....Protostomia      |                       |     |     |
| .....Annelida        | 15                    | 4   | 11  |
| .....Arthropoda      | 259                   | 27  | 232 |
| .....Brachiopoda     | 2                     | 0   | 2   |
| .....Rotifera        | 4                     | 0   | 4   |
| .....Tardigrada      | 3                     | 1   | 2   |
| .....Onychophora     | 1                     | 0   | 1   |
| .....Mollusca        | 27                    | 3   | 24  |
| .....Nematoda        | 12                    | 8   | 4   |
| ....Acoelomata       |                       |     |     |
| .....Platyhelminthes | 7                     | 2   | 5   |
| Cnidaria             | 40                    | 16  | 24  |
| Ctenophora           | 1                     | 0   | 1   |
| Placozoa             | 31                    | 31  | 0   |
| Unknown              | 8                     | 2   | 6   |
| Total                | 985                   | 196 | 789 |