Table S2: Chemotaxis Contribution Matrix

The matrix portrays the contributions of the 8 neuron pairs across the different attractant tasks, the contributions are normalized such that their sum in each task (row of the matrix) equals to one. $C_{ij}$ in the matrix denotes the contribution of element $j$ to task $i$. Figure 3 in the main text shows a graphic representation of the contribution matrix.

|          | ASE   | ADF   | ASG   | ASH   | ASI   | ASJ   | ASK   | ADL   |
|----------|-------|-------|-------|-------|-------|-------|-------|-------|
| Serotonin| 0.4300| 0.0383| -0.0619| -0.1055| 0.1210| 0.2658| 0.1628| 0.1496|
| Cl       | 0.7084| 0.0182| -0.0442| -0.0460| 0.0693| -0.0346| 0.1387| 0.1902|
| cAMP     | 0.7219| 0.0415| 0.0159| -0.0666| 0.0285| 0.0857| 0.1573| 0.0158|
| Biotin   | 0.7445| 0.0172| 0.0459| -0.0446| 0.0569| 0.1485| -0.0721| 0.1036|