**Supplementary File 13.** Pairwise intron-IES conversion comparisons and Monte Carlo simulations

|  |  |  |  |
| --- | --- | --- | --- |
|  | ***Oxytricha* intron–*Tetmemena* IES** | ***Oxytricha* intron –*****Euplotes* IES** | ***Tetmemena* intron–*****Euplotes* IES** |
|  | expected | observed | *p*-value | expected | observed | *p*-value | expected | observed | *p*-value |
| Positions | 416 | 463 | 0.008 | 29 | 31 | 0.402 | 26 | 26 | 0.55 |
|  | ***Tetmemena* intron– *Oxytricha* IES** | ***Euplotes* intron –*****Oxytricha* IES** | ***Euplotes* intron – *Tetmemena* IES** |
|  | expected | observed | *p*-value | expected | observed | *p*-value | expected | observed | *p*-value |
| Positions | 308 | 247 | 1 | 288 | 277 | 0.745 | 349 | 347 | 0.559 |