Supplementary Table 3

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|  | | **Dip1 Alone Dataset** | | **Dip1 + Wsp1 Dataset** | |
| Reaction # | Description | kon | koff (s-1) | kon | koff (s-1) |
| 9 | Dip1 binds Arp2/3 | 1 x 106 | 9.9 | 1 x 106 | 2.8 |
| 10 | Actin monomer binds Dip1-Arp2/3 nucleus | 1.16 x 107 | 95200\* | 1.16 x 107 | 19.6 |
| 11 | Dip-bound Arp2/3 nucleation | 1.8\* |  | 0.0053 |  |