**Supplementary file 3.** Pairwise level of similarity between GAF and Mod(mdg4) BTB domains with other TTK-type domains. The level of homology was calculated as ratio of identical and conserved (according to CLUSTAL definitions) residues to the total number of residues.

|  |  |  |
| --- | --- | --- |
|   | GAF  | mod(mdg4)  |
| GAF  | 100 | 35 |
| CG32121  | 36 | 39 |
| Abrupt  | 47 | 40 |
| CG3726  | 35 | 40 |
| CG12236  | 35 | 42 |
| BTB VII  | 40 | 47 |
| bab2  | 37 | 43 |
| bab1  | 42 | 42 |
| Ribbon  | 34 | 35 |
| mod (mdg4)  | 35 | 100 |
| lola  | 38 | 45 |
| ttk  | 38 | 47 |
| Psq  | 38 | 37 |
| Batman | 39 | 44 |
| CG6118  | 33 | 47 |
| CG15812  | 27 | 25 |
| CG34376  | 39 | 45 |
| Fruitless  | 31 | 51 |
| TKR  | 37 | 36 |
| CG8924  | 33 | 37 |
| mamo  | 38 | 44 |
| BRC  | 46 | 43 |
| Chinmo  | 32 | 40 |
| CG6765  | 27 | 32 |