**Supplementary Table S3. Detailed information of the 20 motifs in the 68 IDD proteins.**

|  |  |  |  |
| --- | --- | --- | --- |
| Motif | Width | Sequences | Domain |
| 1 | 30 | WKCDKCSKKYAVQSDWKAHSKTCGTREYRC | ZF3 |
| 2 | 30 | RFVCEICNKGFQRDQNLQLHRRGHNLPWKL | ZF1 |
| 3 | 30 | VYVCPEPSCVHHDPSRALGDLTGIKKHFCR | ZF2 |
| 4 | 21 | DCGTLFSRRDSFITHRAFCDA | ZF4 |
| 5 | 30 | PAKKKRNLPGNPDPDAEVIALSPKTLMATN | \* |
| 6 | 30 | QNNPPPSAHMSATALLQKAAQMGATTSSNS | C-terminal conserved motifs |
| 7 | 21 | GGGGDGLTRDFLGLGGGVGSD | C-terminal conserved motifs |
| 8 | 11 | KQRTSKEVKKK | \* |
| 9 | 6 | KHGEKK | \* |
| 10 | 15 | LAEESARLASALNAY | \* |
| 11 | 21 | VDENMSNLTSASGEAASSSSG | \* |
| 12 | 29 | AEEARRQAEHQIELAEKEFANAKRIRQQA | \* |
| 13 | 15 | LSDLMNSLAGGGSSA | \* |
| 14 | 27 | LKEQATKKVSSAILQITCHACKQHFHQ | \* |
| 15 | 21 | SNSSSSSSLFASSFASSSTSS | \* |
| 16 | 30 | QESLQWNQRZAEPDSASVAAGLGLGLPCDG | \* |
| 17 | 21 | ACLSRTASSPSPSSDDNFSSR | \* |
| 18 | 30 | DSTTDLAPSSSVEPISLSLSTSLYSSIFGS | \* |
| 19 | 15 | LLRGFGLSSSSSASS | \* |
| 20 | 21 | REENHSTQLQLSIGSCDFGGD | \* |