

Additional file 5 FOXP2 polyglutamine tract lengths in selected vertebrates

| Taxon | Species | Number of Q residues ^a | | UniProt |
|---------------------|--|-----------------------------------|-------------|---------------------|
| | | Long tract | Short tract | |
| Primates | Human (<i>Homo sapiens</i>) | 40 | 10 | O15409 |
| | Chimpanzee (<i>Pan troglodytes</i>) | 41 | 10 | Q8MJA0 |
| | Bonobo (<i>Pan paniscus</i>) | 41 | 10 | Q8HZ00 |
| | Gorilla (<i>Gorilla gorilla gorilla</i>) | 38 | 10 | Q8MJ99 |
| | Baboon (<i>Papio anubis</i>) | 39 | 10 | A9RAA3 |
| | Orangutan (<i>Pongo pygmaeus</i>) | 39 | 9 | Q8MJ98 |
| | Orangutan (<i>Pongo abelii</i>) | 39 | 9 | H2PN93 |
| | Gibbon (<i>Hylobates lar</i>) | 39 | 9 | Q5QL03 |
| | Gibbon (<i>Nomascus leucogenys</i>) | 39 | 10 | G1RL29 |
| | Macaque (<i>Macaca mulatta</i>) | 39 | 10 | Q8MJ97 |
| | Marmoset (<i>Callithrix jacchus</i>) | 38 | 10 | F7IHC2 |
| | Bushbaby (<i>Otolemur garnettii</i>) | 38 | 10 | B5FWC6 |
| Non-primate mammals | Mouse (<i>Mus musculus</i>) | 40 | 9 | P58463 |
| | Rat (<i>Rattus norvegicus</i>) | 36 | 9 | P0CF24 |
| | Opossum (<i>Monodelphis domestica</i>) | 39 | 5 | F7F0A1 |
| | Platypus (<i>Ornithorhynchus anatinus</i>) | 36 | 9 | F7F7P1 |
| Birds and reptiles | Chicken (<i>Gallus gallus</i>) | 38 | 5 | F1NY57 |
| | Zebra finch (<i>Taeniopygia guttata</i>) | 38 | 8 | K4EPC4 |
| Amphibians | Frog (<i>Xenopus laevis</i>) | 35 | 3 | Q4VYS1 |
| | Frog (<i>Xenopus tropicalis</i>) | 38 | 2 | A4IIF5 |
| | Turtle (<i>Pelodiscus sinensis</i>) | 37 | 3 | K7G4L3 |
| Lobe-finned fish | Coelacanth (<i>Latimeria chalumnae</i>) | 25 | 6 | H3AY31 ^b |
| Ray-finned fish | Zebrafish (<i>Danio rerio</i>) | 3 | 7 | Q4JNX5 |
| | Pufferfish (<i>Takifugu rubripes</i>) | 3 | 6 | V6F872 |
| | Pufferfish (<i>Tetraodon nigroviridis</i>) | 3 | 6 | V6F979 |
| | Tilapia (<i>Oreochromis niloticus</i>) | 3 | 7 | V6F808 |

^a Determined using protein sequences from the UniProt database

^b This protein sequence is not annotated as FOXP2 in the UniProt database but is identified as a 1-to-1 orthologue of human FOXP2 by the Ensembl genome browser.