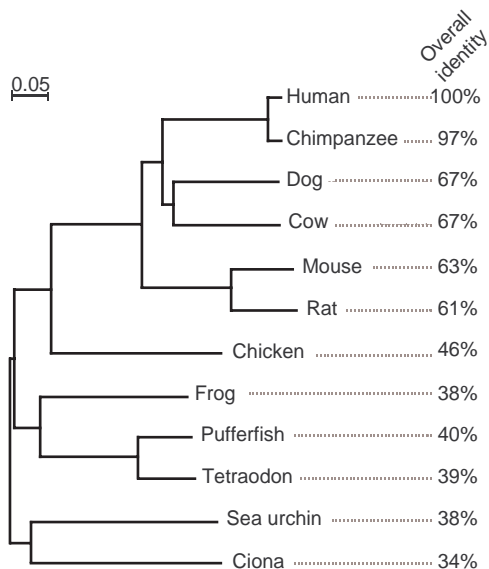


A



B

Conservation of the human regions encoded by
TXNDC3 exon 7 and TXNDC6 exon 5

TXNDC3 E7 NGKII¹IEKIQGANAPLVNKKVINLID²EERKIAAGEMARPQ

TXNDC6 E5 GGELVAVVIRGANAPLLQKTIIL³DQLEAEKVLAEGRERKV

C

Phylogenetic conservation of the region encoded by
TXNDC3 exon 7

Human	NGKII ¹ IEKIQGANAPLVNKKVINLID ² EERKIAAGEMARPQ
Chimpanzee	NGKII ¹ IEKIQGANAPLVNKKVINLID ² EERKIAAGEMARPQ
Dog	NGKII ¹ IARIN ⁴ GANAPLVNKKIT ⁵ INL ⁶ INEE ⁷ KIAAGEM ⁸ VRPQ
Cow	NGT ¹ IVAKIQGANAPLVN ² QKI ³ I ⁴ ALVNEERKIAAGEM ⁵ VRPQ
Mouse	NGKII ¹ AKIQGANAPL ² NRKVI ³ TLID ⁴ EERKIVAGEM ⁵ DRPQ
Rat	NGKII ¹ AKIQGANAPL ² NRKVIALID ³ EERKIAAGEMARPQ
Chicken	NGKII ¹ IAIVRGANAPLLSKKITELVQ ² EERTLAG ³ QKERPE
Frog	GGELVAVVIRGANAPLLQKTI ¹ IEQLA ² AEKVL ³ SQGSERHV
Pufferfish	GGELVGVLRGANAPLLQRMIVQ ¹ KL ² GEE ³ GVLEKGV ⁴ VERKV
Tetraodon	GGELVGVLRGANAPLLQKMI ¹ VQ ² KL ³ SEE ⁴ GVLEKGG ⁵ ERKV
Zebrafish	GGELVSVLRGNAPLLQKTI ¹ QEEL ² SNE ³ KNVLEHGGARRA
Ciona	GGELVAAVIRGCNAPLVQ ¹ ETI ² QETL ³ KNE ⁴ KI ⁵ LSGEMERKV