Online Resource 5.

a) Divergent V-IgSF domains of Elephant shark B7H6 genes

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AAVX01166257.1      DALEMTIFKDQLEVFQGQDVVLDCKVTGYTPAVLNLSFVAVEWRFVS----TQQLVYSFN 56
AAVX01015110.1      S....VL.HSPMKGQVNET.K.E...S..SSPQ.Q.KT.G.Q.I.T.----.RKE...YI 56
AAVX01166967.1      .V.NVLMDSGPVR.AVNK.TL.K.Q.P..ESRTID.AS.S...Y.SKPPDV.RK...K.V 60
AAVX01076204.1      -.AR..LRTSPA.CLVNE..S.Q.EIADL.GIT.DKNHLG.L.S.TD-------DIFKYI 52

AAVX01166257.1      GGFIDALRPGATVTIENLKRGDASLHLPKVQIEEEGEYKCIVYVTP-SKAEKSSSVRVL 114
AAVX01015110.1      ..KAS.S.N...ISED..RT.....Y..NI...D..D.T.V.I...-E.V..T.TLQ.S 114
AAVX01166967.1      NSAHTPH.K..KISDDK..K.I...F.LS.GFQD..Q.E.V.FI..-DSGRGNAEMF.G 118
AAVX01076204.1      N.ALFK.GK.VELLESSILK.NM..L.KN.TMKQM.....T.F.P.NEQ.TGTVRLE.- 110
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b) Divergent V-IgSF domains of Elephant shark NKp30 genes

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AAVX01127481        ----VVQSPSRVEAAEGERVSLSCTYTGDVGSGIGGYQWLKHS--PHGVPVSNDTEGYRG 54
AAVX01545093.1      -----...................A..............tools....--............... 53
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Figure legend:

Deduced amino acid alignment of V domains screened from E-shark genome using ClustalW2. Gaps and Identical aa residues are indicated with dashes and dots, respectively. Canonical amino acids characteristic for IgSF domains are highlighted in grey. a) B7H6, b) NKp30.