

>shark TAAR S1a

LCYESVNGSCPRAIRSTGVRITLYLLAVLAILVTLFGNMLVIISIAHFKQLHTPTNYLVF
SLAIADFLGCIVMPYSLIRSIESCWYFGILFCKLHTSFDLVLCAASIIHLCCISVDRYY
AVCDPLKYKTTITVSTVLIMICLSWALSFLVGFVIFLELHLIEIKDFYYHEIACFGGCT
LMMGKVCALVYSTISFYFPAFIMVCIYTKIYLVAKKQARTINNLSRKVQPINEGNSIASQ
RSERKAAKTLGIVMGVFILCWSPYFVCDSIEPFIKYSTPPVLFDAFFWVGYL**NSTFNPMI**
YGFYSWERKALKIILTCKIFAPDSSRINLF

>shark TAAR S2a

MNSINLENSDLQYCFEENMSCPKSIRSTTTTTVTMYIFITISIVITILGNSVVMISILHF
KQLQTPNTNYLVLSLAFVDFLMGFFVLPFSMVRSVETCWYFGDTFCDIHSTLDVVLTTVSI
YNLCFIAIDRYAVCEPLLYSIKMTLPMTALIIITLNWLFIIYGSCVFLSEFTKKASGHY
RTTISCKGSCIEYRFGGHMDALIVLFIPTFIILGIYLLKIYFVQRKHARKIGNMPNNINSK
EEINVRVLQTKKTAANKQGVVMGIFVLSWLPFYLSSIINPYLNFATPPILFEAFTWFGF
FNSAFNPVLYAFFYPWERTALKSILTCQILRPESIMNLFPE

S3 Fig. TAAR signature motifs found in the two elephant shark (*Callorhinchus milii*) TAAR protein sequences. The TAAR motif regions are highlighted with yellow. The seven transmembrane regions predicted by Phobius (Kall *et al.*, 2007) are indicated with underline.

Reference:

Kall L, Krogh A, Sonnhammer ELL. 2007. Advantages of combined transmembrane topology and signal peptide prediction-the Phobius web server. *Nucleic Acids Res.* 35:W429-432.