

Table S1. Accession numbers of Sox genes in Nile tilapia from NCBI.

Variants	Protein IDs	CDS IDs	Gene ID	Source
Sox1a	XP_005457844.1	XM_005457787.4	100691128	NCBI
Sox1b	XP_005450142.1	XM_005450085.4	100697857	NCBI
Sox2	XP_003457401.2	XM_003457353.4	100695175	NCBI
Sox3	XP_005467513.1	XM_005467456.3	100698575	NCBI
Sox4a	XP_005450837.1	XM_005450780.4	100692790	NCBI
Sox4b	XP_005450601.1	XM_005450544.4	100706203	NCBI
Sox5	XP_019202657.2	XM_019347112.2	100707537	NCBI
Sox6	XP_019213816.1	XM_019358271.2	100694759	NCBI
Sox7	XP_005460371.1	XM_005460314.4	100711607	NCBI
Sox8	XP_003438722.1	XM_003438674.4	100693663	NCBI
Sox9	XP_003450167.1	XM_003450119.4	100699759	NCBI
Sox10	XP_005468484.1	XM_005468427.4	100534551	NCBI
Sox11a	XP_005477157.1	XM_005477100.4	100712304	NCBI
Sox11b	XP_005452537.1	XM_005452480.4	100694062	NCBI
Sox13	XP_005450157.3	XM_005450100.4	100706908	NCBI
Sox14	XP_005451233.1	XM_005451176.4	100695210	NCBI
Sox17	XP_003439290.1	XM_003439242.5	100712340	NCBI
Sox18	XP_005465460.1	XM_005465403.4	100711530	NCBI
Sox19	XP_003458966.1	XM_003458918.4	100693580	NCBI
Sox21	XP_003447333.1	XM_003447285.5	100694064	NCBI
Sox30	XP_025766442.1	XM_025910657.1	100533980	NCBI
Sox32	XP_003439409.1	XM_003439361.5	100698545	NCBI



Fig. S1. Multiple sequence alignment of Sox gene family.



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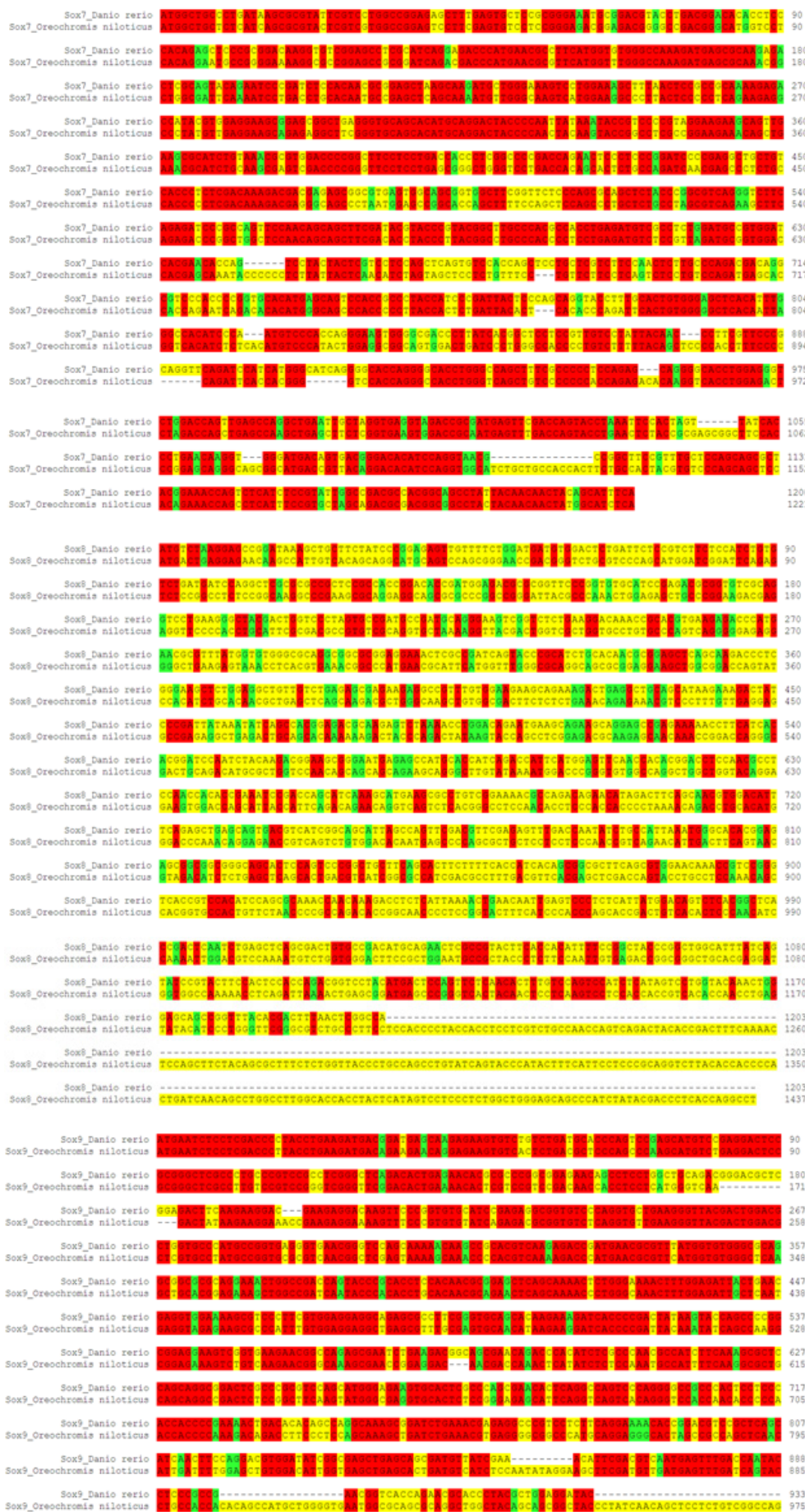


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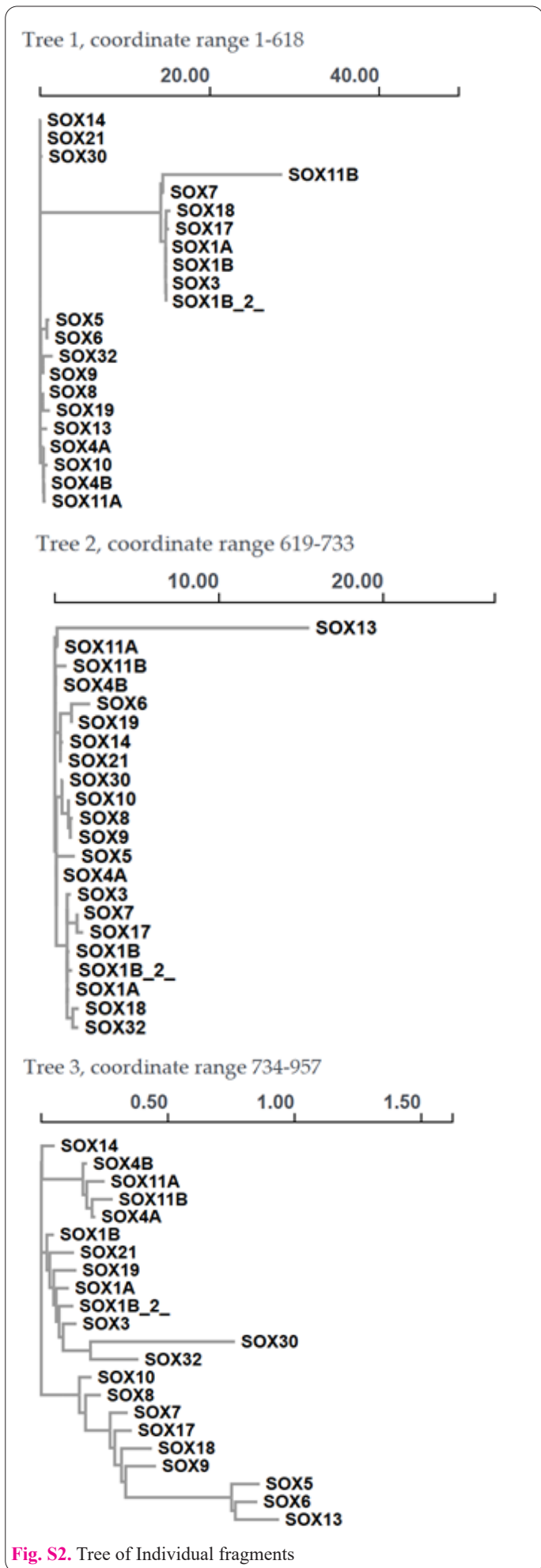


Fig. S2. Tree of Individual fragments

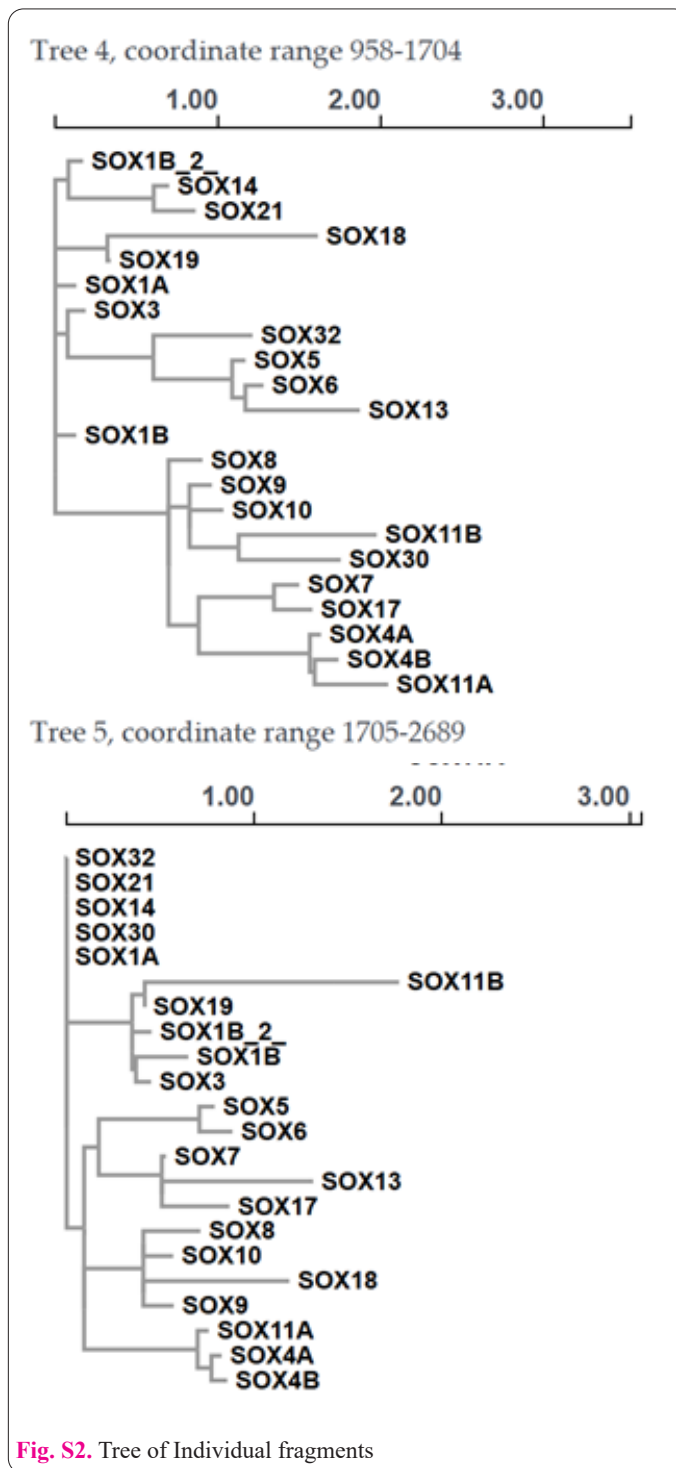


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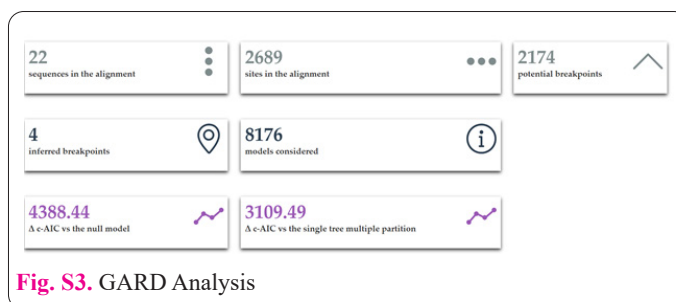


Fig. S3. GARD Analysis