

Gene	Distance to Bicore2 (Kb)	Transcript Identifier	Top Blastx Hit (NP only)	E-value
Human ZNF503	0.8	Refseq: NM_032772	NP_663434.2 (Mouse Zfp503)	0.0
Zebrafish Znf503	0.7	Refseq: NM_198840	NP_001133583.1 (Salmon Znf503)	0.0
Amphioxus Znf503	0.3	Refseq: XM_002596090	NP_001161611.1 (Acorn worm NocA-like transcription factor)	7.0E-24
Sea urchin Znf503	0.4	Refseq: XM_775815	NP_001161611.1 (Acorn worm NocA-like transcription factor)	1.0E-64
Acorn worm NocA-like transcription factor (Znf503)	0.3	Refseq: NM_001168139	NP_942137.1 (Zebrafish Znf503)	5.0E-42
Tick Noc (Znf503)	0.4	Vectorbase: ISCW005133	NP_476917.1 (Drosophila Noc)	2.0E-38

**Table S5.**