

Table S3. Primer sequences for the amplification of ovine *PITX3*.

<i>PITX3</i>	Exon		Coding sequence				Forward primer		Reverse primer		PCR product size (bp)
	Start*	End*	Length	Start*	End*	Length	Start*	Sequence (5'-3')	Start*	Sequence (5'-3')	
5'UTR							19'854	AGGCAGCTTAAGGGAGCAAT	20'576	TGGGCTTCTTGCTCTCAGAT	723
5'UTR							20'441	GGGAAGCCCCTGGATACTCT	21'392	AAGGTGGAAAATGGCTCAGA	952
5'UTR							21'242	CTCCTCAGTAGGTTGGTGTACCT	22'084	GCTTCGTGGAGAGTTTGGAG	843
5'UTR							21'831	GCCTTGACAAGTCTGGGAGA	22'767	CAGCGCCCAATCACTTTATG	937
exon 1	22'798	22'959	162				22'653	ACAGCTGGAAAGGGTGGAG	23'673	GGACATTGTGTCCGCTTTG	1021
intron 1							23'475	TTGTGAGAACCCGACAGCGA	24'265	AAAGGGCTGCAGTTTTCTCT	791
intron 1							24'110	TGACAGCTTCAGTCCCTCA	24'546	TAAGTGGTTCTGGTTAAAG	437
exon 1A	24'467	24'586	120				24'382	GATCCAACACAGGACCCAGA	24'766	GCCAGTGATAAATGAACTTT	385
intron 1							24'635	TGCAGCATTATTCAGCAATG	25'612	AATGCCAGGAATGACCATTC	978
intron 1							25'493	AGGAGTGGCAAGAGCTCAG	26'536	ATGGGCCAGTGTAGCCTGC	1044
intron 1							26'427	AGTGACTCCCCTGCTTGA	27'379	GAGAATGTAGCTGCTCTGGA	953
intron 1							27'221	AATATGAACCCCACTTCC	28'086	GTAAGTGGCCAAGGCACAAG	866
intron 1							27'907	TTTCAGGTTCCATCCTGTTT	28'773	GCTAGGCAGGCAACAGAGAG	867
intron 1							28'642	TTAATCCTCAGCCAGCCTGT	29'500	GCTGAGGTGGGGAGAGTATG	859
intron 1							29'387	GGTATACTGGATTACTTTCC	29'964	CAGCATTCCATACCTGTGTC	578
intron 1							29'848	CACAGCCTGAAGTCTGCTTT	30'306	GTCAGAGGCTTAGGAGTAGG	459
intron 1							30'155	TGAAGAGATTCAGAGCACC	31'060	GTCTGCTTCTGTACATTGCA	906
intron 1							30'941	GCATGGGGAGTAATGGTCAG	31'918	CAGGTTATCTGGTTCCCAGT	978
exon 2	31'966	32'099	134	31'982	32'099	118	31'795	CCACTTAGGCTGCTGTTTCC	32'248	ACATCCTTGCCTGAGCAGAT	454
exon 3	32'278	32'480	203	32'278	32'480	203	32'121	GGTGGGGGAAATAAAAGCTC	32'708	TCTAGGGCGAGAGAGTGGAG	588
exon 4	32'985	33'907	923	32'985	33'572	588	32'791	GATACTGTCACCCCGACTC	33'802	GGTCCCTATTCTGGCCTTA	1012
3'UTR							33'629	GACTGGGGTTCGTTTTGACTG	34'500	GTTTTCAGGGTTTGGGGATT	872

*position on EMBL accession FN432136