

**Table S2. Primers used**

Gene	Primer	Sequence (5' to 3')
<i>Cdx4</i>	F	TCCATCTGCTGTCCGTGGATTCA
	R	ATGCTTCCGTTTCTCTGCTCCTGT
<i>Foxa2</i>	F	TGAGTGGAGACTTTGGGAGAGCTT
	R	ATGACAGATCACTGTGGCCCATCT
<i>Sox1</i>	F	ACAAGGCCAAGGATAGGGACAACA
	R	CTGGGTCAGGATTGCTTCCTTGAA
<i>Sox17</i>	F	AGCTCCAGAACTGCAGACCAGAA
	R	TCCATGAGGTGACATGCTGAGGTT
<i>Actb</i>	F	TGAGCGCAAGTACTCTGTGTGGAT
	R	ACTCATCGTACTCCTGCTTGCTGA
<i>Hoxb4</i>	F	TTCACTACAATCGCTACCTGACGC
	R	GGTGTGGGCAACTTGTTGGTCTTT
<i>Lmo2</i>	F	GCATGCACTGTGCCATCCTGATA
	R	ACAGGGTAGTTACCAAAGCCAGGA
<i>Runx1</i>	F	ACGGTTCAGATGTGCATCGTG
	R	TCAGAACCAGCGTTAGGCTT
<i>Scl</i>	F	CAGCCTGATGCTAAGGCAAG
	R	AGCCAACCTACCATGCACAC
<i>Gata3</i>	F	ATTAAATAGCTTCTATGCGCCCGGCG
	R	ATGCATGTTGGTAGCTGGTACGCT
<i>T</i>	F	TGTCCTCCCTTGTTCCTTAGAGT
	R	AGTAGGCATGTTCCAAGGGCAGAA
<i>Tcrb</i>	F	GTAGGCACCTGTGGGGAAGAAACT
	R	TGAGAGCTGTGTCCTACTATCGATT

qPCR primers were designed using the PrimerQuest Tool at the IDT website (idtdna.com), except for the mouse *Tcrb* locus (Rodewald et al., 1994).

F, forward; R, reverse.

**Rodewald, H. R., Kretzschmar, K., Takeda, S., Hohl, C. and Dessing, M. (1994).**

Identification of pro-thymocytes in murine fetal blood: T lineage commitment can precede thymus colonization. *EMBO J.* **13**, 4229-4240.