Supplementary Table 1. Primers used in GATA-3 ChIP.

Mm Gpr15 upstream F	GTTACAGATAAGGCGACTCACTTTAGC
Mm Gpr15 upstream R	CTCAGACTCATATTCTCACCACACG
Mm Gpr15 downstream F	GAGTAGAGGAGTGGGGAGTTTC
Mm Gpr15 downstream R	AAGTGTGACATGCTGACTGATC
Mm Gpr15 control F	TGGAATACACTAGCACCACTTCTC
Mm Gpr15 control R	AGATGATGTGGGATGCTCTGTATC
Mm Il4 CNS2 F	ATCACGTCGTCTTACCCAAA
Mm Il4 CNS2 R	TGTGGGAGAGCGTCTGATCTG
Hs GPR15 upstream F	TCACCAACCACACAACCGTATTTC
Hs GPR15 upstream R	AACAGCAGAGTAAGAAGCAGAAGTAG
Hs GPR15 downstream F	GTGACTTGGTGACTGATCTCATTACTG
Hs GPR15 downstream R	ACTTGTCTTCTTGGGTGGAAATAACTTC
Hs GPR15 control F	TGTACCCCGATGCAGATTATCATT
Hs GPR15 control R	GAGCAGCCTGTCTCCCTATATTAC
Hs IL4 CNS2 F	CGTGTTTGGGTGAGACAATC
Hs IL4 CNS2 R	ATCTTGGGGCTTCCTGTGACC

Supplementary Table 2. GEO accession numbers for previously published ChIP–seq datasets used in this study

Human T_H2 GATA–3	GSM776559 and GSM776556 (input)	Kanere, A. *et al*. (2012)
Mouse T_H2 Gata–3	GSM523226	Wei, G. *et al*. (2011)
Mouse T_H2 Gata–3 replicate	GSM742023	Wei, G. *et al*. (2011)
Mouse T_H17 Gata–3	GSM523228	Wei, G. *et al*. (2011)
Mouse nT_{reg} Gata–3	GSM523230	WWei, G. *et al*. (2011)
Mouse Foxp3	GSM999179 and GSM999181 (input)	Samstein, R.M. *et al*. (2012)
Human Foxp3 donor1 rep1	SRR192542	Birzele, F. *et al*. (2011)
Human Foxp3 donor1 rep 2	SRR192543	Birzele, F. *et al*. (2011)
Human Foxp3 donor2 rep1	SRR192544	Birzele, F. *et al*. (2011)
Human Foxp3 donor2 rep2	SRR192545	Birzele, F. *et al*. (2011)
Mouse Th1 H3K4me3	GSM361999	Wei, G. *et al*. (2009)
Mouse Th2 H3K4me2	GSM362001	Wei, G. *et al*. (2009)