

**Supplemental Table S25. Global expression in shared BT related to growth-regulated function.**

ID in BSB allele	ID in TC allele	Gene number in same gene clusters of TC	Gene number in same gene clusters of BSB	Gene name	Pattern in global expression
Mam05829	Ery02939	6	6	Janus kinase 1	VIII
Mam24513	Ery02225	2	2	transcription factor jun-B	VI
Mam06631	Ery16982	1	1	cytochrome b-245, alpha polypeptide	VIII
Mam28585	Ery11413	2	2	suppressor of cytokine signaling 3	VI
Mam00774	Ery25259	1	1	mitogen-activated protein kinase kinase kinase 7	VIII
Mam01692	Ery10144	3	3	p21-activated kinase 2	II
Mam11593	Ery28002	1	1	proto-oncogene protein c-fos	VII
Mam02019	Ery14830	3	3	SHC-transforming protein 2	III
Mam11133	Ery09318	3	4	serine/threonine-protein phosphatase 2A catalytic subunit	V
Mam23542	Ery15511	4	4	molecular chaperone HtpG	I
Mam07465	Ery18925	6	6	mitogen-activated protein kinase kinase kinase kinase 2	III
Mam29256	Ery17174	3	3	mitogen-activated protein kinase kinase kinase 5	VII
Mam12018	Ery11159	1	1	mitogen-activated protein kinase 7	no change
Mam09857	Ery08642	1	1	insulin-like growth factor 2	VII
Mam11238	Ery05072	1	1	heat shock protein beta-1	no change
Mam00626	Ery11029	4	4	heat shock protein 90kDa beta	V
Mam28733	Ery08773	1	1	exocyst complex component 2	VIII
Mam15777	Ery15137	1	1	early growth response protein 1	V
Mam01673	Ery03064	1	1	Bcl-2-like 1 (apoptosis regulator Bcl-X)	VIII