

Table 1.: Peak numbers in barley embryo ChIP-seq and ATAC-seq datasets

ATAC-seq	4DAG
54098	Morex4DAG_ATACseq_1
29863	Morex4DAG_ATACseq_2
10627	Morex4DAG_ATACseq_intersect
73333	Morex4DAG_ATACseq_merged.bed
	8DAP
53303	Morex8DAP_ATACseq_1
55758	Morex8DAP_ATACseq_2
42899	Morex8DAP_ATACseq_intersect
	24DAP
145943	Morex24DAP_ATACseq_1
127166	Morex24DAP_ATACseq_2
93441	Morex24DAP_ATACseq_intersect

ChIP-seq	H3K9ac
61885	Morex4DAG_H3K9ac_1
30178	Morex4DAG_H3K9ac_2
25994	Morex4DAG_H3K9ac_intersect
22130	Morex8DAP_H3K9ac_1
26393	Morex8DAP_H3K9ac_2
15911	Morex8DAP_H3K9ac_intersect
32119	Morex24DAG_H3K9ac_1
66104	Morex24DAG_H3K9ac_2
30159	Morex24DAG_H3K9ac_intersect

ChIP-seq	H3K4me3
53653	Morex4DAG_H3K4me3_1a
48396	Morex4DAG_H3K4me3_2a
46140	Morex4DAG_H3K4me3_intersect
12976	Morex8DAP_H3K4me3_1a
16198	Morex8DAP_H3K4me3_2
10075	Morex8DAP_H3K4me3_intersect
47454	Morex24DAP_H3K4me3_1
51563	Morex24DAP_H3K4me3_2
46220	Morex24DAP_H3K4me3_intersect

ChIP-seq	H3K27me3
71668	Morex4DAG_H3K27me3_1a
85421	Morex4DAG_H3K27me3_2a
70564	Morex4DAG_H3K27me3_intersect
46915	Morex8DAP_H3K27me3_1
43595	Morex8DAP_H3K27me3_2
38506	Morex8DAP_H3K27me3_intersect
59006	Morex24DAP_H3K27me3_1
51373	Morex24DAP_H3K27me3_2
48316	Morex24DAP_H3K27me3_intersect

Intergenic peaks Filtered using “Coding potential set of 77364 regions including HC and LC genes, lncRNA candidates and RNA-seq positive regions”

ATAC-seq	4DAG
43851	Intergenic_4DAG_ATACseq_merged
	8DAP
23453	Intergenic_8DAP_ATACseq_intersect
	24DAP
58823	Intergenic_24DAP_ATACseq_intersect
	Leaf
32955	Intergenic_Leaf_pooledReps

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UMRs	4DAG
	14436
	8DAP
	12487
	24DAP
	19039
	Leaf
	20540

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H3K9ac	4DAG
	4396
	8DAP
	3970
	24DAP
	6005
	Leaf
	6542

ChIP-seq	H3K4me3
	2385
	438
	3403
	790

UMRs	
total	139283
intergenic	74614