

Table S7: Summary of anti-H4K12ac based ChIP-qPCR assay

Locus number	FPKM (0Gy/50Gy)	Forward primer	Reverse primer	ChIP-qPCR (0Gy/50Gy)	t-test	ChIP-seq
LOC_Os01g65890	7.1/351.9	TTCCCCGGGTAAAACCTGCC	CCACCTCCATCTCCACGAAC	—	**	—
LOC_Os05g45350	9.7/125.2	GACCTTAGGAGCTGTGCCTATG	GAACACTCACGACGCCAAGAA	—	**	—
LOC_Os06g46950	18.8/197.8	AGGAGGGGTTCGAGGACTAC	CTGTGGAAGGTGATGAGCCC	—	**	—
LOC_Os10g35770	63.8/178.7	AGTTCTCCGGCTCTGCT	GGCTGAGGAAGACGGTCT	—	*	—
LOC_Os03g19720	38/123	GAGGACATCGCCGCCATG	GTCGTCGAACCCACCTT	—	**	—
LOC_Os01g70850	8.2/198.1	GAATTCGAAGCAGCTGAGC	GACCACCCTGTACCAGCAC	—	**	—
LOC_Os09g27040	1.3/43.8	GTTGTTGATCTTGGCCTGCC	CCCCGTCCATCAAGAAGTCG	+	N	—
LOC_Os06g11240	9.1/34.4	GTGTAGTACAGCACCGCGT	GCTGACGCCGTACAAGATG	—	**	—
LOC_Os01g64120	46.0/120.8	AGCTGCCTTACTCGTGCC	CACGTACCCCTGCTCGAT	—	*	—
LOC_Os01g21160	24.6/68.3	GCTCCTCTTCTCCTAGTGCT	GCCTACCAATCCATCCAGACC	—	**	—
LOC_Os03g05780	27.6/57.0	AGATGGTGATGACGAGCTTGG	CTCTACCCGGTCTGCTTCTTC	—	**	—
LOC_Os03g56310	19.3/45.4	ATGGGACGGCTAAAACAAAACG	TTGCGGTTCTCTGGTGATTCTT	—	*	—
LOC_Os01g50622	147.8/1.1	CTGTTTGTGTCAGTTACGGCTC	AATTACCAGCCTCCATCACGC	—	**	—
LOC_Os03g01750	122.1/42.9	CTGTTCGTCACTGCTGGATTTC	AATGGAATGGAAGAGGGGTCAC	—	*	—
LOC_Os06g50080	101.41/23.9	CAGGAGCAGATGGACATGGAC	GGAGTACACAACACTAGCTGGT	—	*	—
LOC_Os09g32250	31/15	GCTCAGGGCGAAGATCTCC	CCATCGAACCCCAATGAAGC	—	*	—
LOC_Os10g38910	93.7/3.1	GAGAGGTTGGTTGTGGAGGT	AAACCAGCGAAACCACCATC	—	**	—
LOC_Os08g32930	94.9/5.2	CTCAGATTTAGCCGCGTCG	GTAACGATGCTCCCTCCCG	—	**	—
LOC_Os06g26234	29/11.3	CGGTTTCCCTCTGCTAAATT	CAGGCAAATCTGTCAGCAATAT	—	**	—
LOC_Os03g48040	143.1/64.6	CGTCGTCACAGGTTAATCA	GCACGAATCAGACAAAGCACA	—	**	—
LOC_Os07g30670	249.4/14.5	AGCACAAACAGCAGAGGAGG	AGCGAGGAATCACTGAATCGG	—	**	—
LOC_Os08g02400	196.5/94.6	CTTCTTCGCGGCCTTCATGAT	TTCCATTCCCTTTTCACGGTGA	—	**	—

-: decrease in H4K12ac post IR; +: more enriched H4K12ac post-IR
 **: $p < 0.01$ in t-test; *: $p < 0.05$ in t-test; N: not significant in t-test