

Supplementary Table W2**Significant regions of gain and loss (p≤0.05, aggregate >22 % across the genome)**

Region	Region Length	Event	Genes	miRNAs	Frequency %	P-Value
chr1:87,559,041-87,628,161	69120	CN Gain	2	0	45.45454545	0.004
chr1:91,567,826-91,894,821	326995	CN Loss	4	0	27.27272727	0.002
chr1:120,746,294-120,820,070	73776	CN Loss	1	0	27.27272727	0.002
chr1:139,661,239-139,895,884	234645	CN Gain	2	2	45.45454545	0.004
chr1:139,960,882-140,273,506	312624	CN Gain	2	0	54.54545455	0
chr1:158,205,737-158,464,039	258302	CN Gain	3	0	45.45454545	0.004
chr1:184,810,289-185,829,620	1019331	CN Gain	2	0	45.45454545	0.004
chr2:62,190,809-62,245,970	55161	CN Gain	1	0	36.36363636	0
chr2:179,012,936-179,228,562	215626	CN Loss	2	0	27.27272727	0.002
chr2:179,911,749-179,965,309	53560	CN Loss	1	0	27.27272727	0.002
chr3:25,417,412-25,454,604	37192	CN Loss	1	0	27.27272727	0.016
chr3:92,015,085-92,076,824	61739	CN Loss	4	0	27.27272727	0.016
chr3:130,644,634-130,711,922	67288	CN Gain	0	0	36.36363636	0.001
chr4:152,483,952-152,911,565	427613	CN Loss	1	0	45.45454545	0.001
chr4:153,009,114-153,026,250	17136	CN Loss	0	0	45.45454545	0.001
chr4:153,047,559-153,371,758	324199	CN Loss	4	0	45.45454545	0.001
chr4:153,427,806-153,488,755	60949	CN Loss	1	0	45.45454545	0.001
chr4:153,593,011-154,031,499	438488	CN Loss	4	0	45.45454545	0.001
chr5:11,088,920-11,178,715	89795	CN Loss	0	0	27.27272727	0.018
chr5:11,617,017-11,693,443	76426	CN Loss	0	0	27.27272727	0.018
chr5:38,203,898-38,234,459	30561	CN Loss	2	0	27.27272727	0.018
chr5:113,154,092-113,385,102	231010	CN Loss	3	0	27.27272727	0.018
chr5:141,700,945-142,019,051	318106	CN Gain	1	0	45.45454545	0.011
chr5:143,768,946-143,860,150	91204	CN Gain	1	0	45.45454545	0.011
chr5:144,205,710-144,312,710	107000	CN Gain	3	0	45.45454545	0.011
chr5:150,399,825-152,537,259	2137434	CN Gain	17	0	36.36363636	0
chr6:8,202,358-8,482,707	280349	CN Gain	4	0	27.27272727	0.038
chr6:33,373,028-33,585,221	212193	CN Gain	1	0	27.27272727	0.038
chr6:41,068,432-41,493,819	425387	CN Loss	9	0	36.36363636	0.021
chr6:41,493,819-41,518,495	24676	CN Gain	0	0	27.27272727	0.038
chr6:114,457,435-114,552,563	95128	CN Loss	0	0	36.36363636	0.021
chr6:146,501,252-146,539,461	38209	CN Gain	2	0	27.27272727	0.038
chr7:7,349,848-7,455,890	106042	CN Loss	2	0	27.27272727	0.047
chr8:3,104,105-3,146,144	42039	CN Gain	0	0	36.36363636	0
chr8:12,791,414-12,932,959	141545	CN Loss	3	0	27.27272727	0.006
chr8:72,041,446-72,104,323	62877	CN Loss	0	0	27.27272727	0.006
chr9:32,248,443-33,074,645	826202	CN Gain	2	0	36.36363636	0.036
chr9:71,857,534-71,977,167	119633	CN Gain	1	0	36.36363636	0.036
chr9:123,512,450-123,531,010	18560	CN Gain	1	0	36.36363636	0.036
chr9:123,585,258-123,863,577	278319	CN Gain	7	0	36.36363636	0.036
chr10:28,212,711-28,386,023	173312	CN Gain	1	0	45.45454545	0.017
chr10:79,608,935-79,632,277	23342	CN Loss	2	0	27.27272727	0.002
chr10:122,015,080-122,201,128	186048	CN Gain	1	0	45.45454545	0.017
chr10:129,960,467-129,993,255	32788	CN Gain	0	0	27.27272727	0

chr11:3,101,853-3,186,441	84588	CN Gain	2	0	36.36363636	0.005
chr12:42,273,661-42,795,332	521671	CN Gain	1	0	45.45454545	0.003
chr12:106,963,312-107,007,867	44555	CN Loss	1	0	72.72727273	0.008
chr12:107,813,507-115,976,910	8163403	CN Loss	161	66	72.72727273	0.008
chr12:116,038,652-116,265,245	226593	CN Loss	0	0	72.72727273	0.008
chr12:116,354,959-116,508,543	153584	CN Loss	0	0	81.81818182	0
chr12:116,591,586-121,257,530	4665944	CN Loss	20	1	72.72727273	0
chr13:19,278,732-19,433,150	154418	CN Loss	0	0	36.36363636	0.011
chr13:91,932,088-92,920,690	988602	CN Gain	3	0	27.27272727	0.011
chr14:42,014,772-54,387,529	12372757	CN Gain	152	2	81.81818182	0.018
chr14:54,734,544-54,781,298	46754	CN Loss	0	0	63.63636364	0.039
chr14:125,095,243-125,194,864	99621	CN Loss	0	0	45.45454545	0
chr15:97,968,256-103,494,974	5526718	CN Gain	192	5	63.63636364	0
chr16:75,865,104-75,946,932	81828	CN Gain	1	0	63.63636364	0.002
chr16:76,255,226-76,668,348	413122	CN Gain	1	0	63.63636364	0.002
chr16:93,166,884-93,279,721	112837	CN Gain	0	0	63.63636364	0.002
chr16:94,085,728-94,468,222	382494	CN Gain	2	0	63.63636364	0.002
chr16:94,555,459-94,750,680	195221	CN Gain	4	0	63.63636364	0.002
chr16:98,301,065-98,319,150	18085	CN Gain	1	0	27.27272727	0
chr17:18,726,037-18,768,559	42522	CN Gain	1	0	36.36363636	0.009
chr17:19,319,652-19,375,459	55807	CN Gain	0	0	36.36363636	0.009
chr17:51,883,614-51,955,147	71533	CN Gain	1	0	36.36363636	0.009
chr17:51,968,786-51,987,544	18758	CN Gain	1	0	36.36363636	0.009
chr17:52,201,778-52,662,021	460243	CN Gain	0	0	36.36363636	0.009
chr17:85,837,860-85,941,287	103427	CN Loss	1	0	36.36363636	0.029
chr17:86,061,480-86,096,454	34974	CN Loss	1	0	36.36363636	0.029
chr18:39,593,879-40,104,086	510207	CN Gain	2	0	27.27272727	0.018
chr18:49,924,379-50,089,175	164796	CN Gain	2	0	27.27272727	0.018
chr19:32,840,236-32,927,510	87274	CN Loss	1	0	45.45454545	0.005
chrX:29,237,353-29,451,167	213814	CN Loss	0	0	36.36363636	0
chrX:39,730,053-39,891,969	161916	CN Gain	2	0	63.63636364	0.006
chrX:155,692,013-155,730,466	38453	CN Gain	1	0	63.63636364	0.006
chrX:155,773,267-156,255,467	482200	CN Gain	5	0	63.63636364	0.006
chrX:163,378,778-163,398,157	19379	CN Gain	0	0	63.63636364	0.006
chrX:163,481,737-163,624,240	142503	CN Gain	1	0	63.63636364	0.006
chrX:166,112,208-166,164,300	52092	CN Gain	1	0	63.63636364	0.006
chrX:166,337,097-166,380,477	43380	CN Gain	1	0	63.63636364	0.006
chrX:166,400,168-166,408,764	8596	CN Gain	1	0	63.63636364	0.006
chrX:166,408,764-166,650,296	241532	CN Loss	2	0	36.36363636	0
chrY:815,501-951,143	135642	CN Loss	0	0	36.36363636	0.005
chrY:2,026,264-2,179,177	152913	CN Loss	8	0	36.36363636	0.005
chrY:2,522,163-2,601,483	79320	CN Gain	0	0	27.27272727	0