

Additional File 4-Genic regions in potential SNV hotspots revealed by AluScans

Potential Hotspot	SNV position	Region	Gene
12q13	53920401(G/A)	Intron 8	<i>ATF7</i> (activating transcription factor 7)
	56987232(C/G)	3'UTR	<i>RBMS2</i> (RNA binding motif, single stranded interacting protein 2)
	50866622(A/G)	Intron 13	<i>LARP4</i> (La ribonucleoprotein domain family, member 4)
17q21	38433040(C/T)	Intron 6	<i>WIPF2</i> (WAS/WASL interacting protein family, member 2)
	40303451(T/A)	Intron 1	<i>RAB5C</i> (RAB5C, member RAS oncogene family)
	43140569(T/A)	Intron 1	<i>NMT1</i> (N-myristoyltransferase 1)
18p11	12654818(G/A)	Intron 1	<i>SPIRE1</i> (spire homolog 1 Drosophila)
19p13	12162103(A/G)	Intron 2	<i>ZNF878</i> (zinc finger protein 878)
	13083661(G/T)	Intron 1	<i>DAND5</i> (DAN domain family, member 5)
19q13	39515175(C/T)	3'UTR	<i>FBXO27</i> (F-box protein 27)
	40976768(C/G)	Intron 1	<i>SPTBN4</i> (spectrin, beta, non-erythrocytic 4)
	41788391(C/T)	Intron 7	<i>HNRNPUL1</i> (heterogeneous nuclear ribonucleoprotein U-like 1)
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	47580255(A/G)	Intron 11	<i>ZC3H4</i> (zinc finger CCCH-type containing 4)
	42344914(G/A)	Intron 1	<i>LYPD4</i> (LY6/PLAUR domain containing 4)
	45623510(C/T)	Intron 1	<i>LRRC68</i> (leucine rich repeat containing 68)
	56531237(C/G)	Intron 5	<i>NLRP5</i> (NLR family, pyrin domain containing 5)