

**S4 Table.** Somatic small insertions and deletions (InDels) in seminal vesicle carcinoma *in situ* cells

Chrom	Position	Ref_allele	Indel_allele	Ref_count	Indel_count	Vaf	Category	Gene
1	23385826	CTT	C	25	5	0.16666667	Intronic	KDM1A
1	108315371	CCTCTGCCTTCATTA AGTCCTCATAGACTT	C	25	3	0.10714286	Exonic	VAV3
2	71896159	TGCTTCTTG	T	17	3	0.15	Intronic	DYSF
2	165584716	C	CAT	26	3	0.10344828	Intronic	COBLL1
4	67934	A	AT	27	6	0.18181818	Intronic	ZNF595, ZNF718
4	52779651	GTTA	G	34	5	0.12820513	Intronic	DCUN1D4
7	36661637	ATG	A	24	7	0.22580645	Intronic	AOAH
9	69777903	A	AGAGCCC CAG	28	5	0.15151515	Intergenic	LOC101928381 (dist=20119), FOXD4L5 (dist=397804)
9	124543885	A	AG	30	4	0.11764706	Intronic	DAB2IP
12	9455483	GT	G	31	4	0.11428571	ncRNA_intronic	LOC642846
12	31246443	GT	G	46	8	0.14814815	Intronic	DDX11
14	92040589	TC	T	27	5	0.15625	Intergenic	PPP4R3A (dist=63765), CATSPERB (dist=6453)
19	18186824	C	CT	19	4	0.17391304	Intronic	IL12RB1
19	44622170	AAAAT	A	19	4	0.17391304	Intronic	ZNF225
22	20739080	C	CA	72	10	0.12195122	Intergenic	FAM230G (dist=32296), ZNF74 (dist=9325)