

Supplementary Table 5. List of potential tumor-specific editing sites within coding regions in 3 pairs of HCC and matched NT liver samples.

Chr	Position	Ref. ¹	Var. ²	No of Ref. reads	No. of Var. reads	Frequency (%)	Depth	Type ³	Annotation Details	448 T	473 T	510 T
2	216236742	T	C	403	54	11.34	457	nonsyn SNV	FN1:NM_212476:exon38:c.A6061G:p.T2021A, FN1:NM_212482:exon40:c.A6604G:p.T2202A	Y	Y	Y
15	76578730	T	C	72	10	10.2	82	nonsyn SNV	ETFA:NM_001127716:exon5:c.A397G:p.S133G, ETFA:NM_000126:exon6:c.A544G:p.S182G	Y	Y	Y
17	80445942	A	G	14	5	21.74	19	nonsyn SNV	NARF:NM_031968:exon12:c.A1418G:p.E473G, NARF:NM_001038618:exon11:c.A1103G:p.E368G, NARF:NM_001083608:exon10:c.A1136G:p.E379G, NARF:NM_012336:exon11:c.A1280G:p.E427G	Y	Y	Y
1	156182847	A	G	11	2	11.76	13	nonsyn SNV	PMF1:NM_001199653:exon1:c.A41G:p.E14G, PMF1-BGLAP:NM_001199661:exon1:c.A41G:p.E14G, PMF1-BGLAP:NM_001199663:exon1:c.A41G:p.E14G, PMF1:NM_001199654:exon1:c.A41G:p.E14G	Y	Y	N
1	225974614	A	G	29	23	42.59	52	nonsyn SNV	SRP9:NM_001130440:exon3:c.A192G:p.I64M	Y	Y	N
5	108713940	T	C	15	2	11.11	17	syn SNV	PJA2:NM_014819:exon4:c.A1248G:p.G416G	Y	Y	N
5	138661339	A	G	26	5	15.62	31	nonsyn SNV	MATR3:NM_001194955:exon13:c.A2359G:p.N787D, MATR3:NM_199189:exon16:c.A2359G:p.N787D, MATR3:NM_001194954:exon15:c.A2359G:p.N787D, MATR3:NM_018834:exon13:c.A2359G:p.N787D, MATR3:NM_001194956:exon12:c.A1495G:p.N499D	Y	Y	N

6	31752021	T	C	56	7	11.11	63	syn SNV	VAR5:NM_006295:exon13:c.A1641G:p.V547V	Y	Y	N
6	44219221	A	G	20	6	20.69	26	nonsyn SNV	HSP90AB1:NM_007355:exon8:c.A1190G:p.Q397R	Y	Y	N
12	67701215	A	G	19	4	16	23	nonsyn SNV	CAND1:NM_018448:exon11:c.A2968G:p.K990E	Y	Y	N
1	36921393	T	C	10	3	23.08	13	nonsyn SNV	MRPS15:NM_031280:exon8:c.A770G:p.Q257R	Y	N	Y
2	198353049	T	C	13	2	12.5	15	nonsyn SNV	HSPD1:NM_002156:exon10:c.A1382G:p.Q461R,HSPD1:NM_199440:exon10:c.A1382G:p.Q461R	Y	N	Y
3	50112710	A	G	10	3	16.67	13	nonsyn SNV	RBM6:NM_005777:exon20:c.A3193G:p.R1065G,RBM6:NM_001167582:exon16:c.A1627G:p.R543G	Y	N	Y
8	97243292	T	C	364	50	10.94	414	syn SNV	UQCRB:NM_006294:exon4:c.A327G:p.A109A,UQCRB:NM_001199975:exon5:c.A231G:p.A77A	Y	N	Y
10	5010523	A	G	67	11	12.09	78	nonsyn SNV	AKR1C1:NM_001353:exon4:c.A392G:p.K131R	Y	N	Y
11	18424543	A	G	26	4	12.5	30	nonsyn SNV	LDHA:NM_001135239:exon4:c.A401G:p.E134G,LDHA:NM_001165414:exon5:c.A662G:p.E221G,LDHA:NM_001165415:exon5:c.A575G:p.E192G,LDHA:NM_001165416:exon5:c.A575G:p.E192G	Y	N	Y
11	62289306	T	C	28	4	11.76	32	nonsyn SNV	AHNAK:NM_001620:exon5:c.A12583G:p.K4195E	Y	N	Y
11	94801227	A	G	35	5	12.2	40	syn SNV	SRSF8:NM_032102:exon1:c.A837G:p.R279R	Y	N	Y
13	25670574	A	G	28	7	19.44	35	nonsyn SNV	PABPC3:NM_030979:exon1:c.A238G:p.K80E	Y	N	Y
13	41515296	T	C	22	5	11.63	27	syn SNV	ELF1:NM_172373:exon8:c.A1017G:p.G339G,ELF1:NM_001145353:exon7:c.A945G:p.G315G	Y	N	Y

13	52604985	A	G	6	7	53.85	13	nonsyn SNV	UTP14C:NM_021645:exon2:c.A2045G:p.Q682R	Y	N	Y
16	67231545	A	G	48	7	12.28	55	syn SNV	E2F4:NM_001950:exon8:c.A1077G:p.T359T	Y	N	Y
18	20572889	A	G	27	3	10	30	nonsyn SNV	RBBP8:NM_203291:exon11:c.A1099G:p.T367A,RBBP8 :NM_203292:exon11:c.A1099G:p.T367A,RBBP8:NM_0 02894:exon11:c.A1099G:p.T367A	Y	N	Y
X	27766155	A	G	14	16	50	30	syn SNV	DCAF8L2:NM_001136533:exon1:c.A1143G:p.Q381Q	Y	N	Y
X	27766172	A	G	14	26	59.09	40	nonsyn SNV	DCAF8L2:NM_001136533:exon1:c.A1160G:p.Q387R	Y	N	Y
1	35925949	T	C	16	2	10.53	18	nonsyn SNV	KIAA0319L:NM_024874:exon9:c.A1384G:p.I462V	N	Y	Y
1	222895848	A	G	13	2	10.53	15	syn SNV	BROX:NM_144695:exon5:c.A393G:p.G131G	N	Y	Y
2	99234730	A	G	27	3	10	30	nonsyn SNV	UNC50:NM_014044:exon6:c.A743G:p.H248R	N	Y	Y
3	194149599	T	C	25	3	10.34	28	syn SNV	ATP13A3:NM_024524:exon27:c.A2922G:p.A974A	N	Y	Y
7	56122076	A	G	33	6	13.33	39	syn SNV	CCT6A:NM_001762:exon3:c.A216G:p.P72P	N	Y	Y
9	6013849	T	C	13	11	44	24	nonsyn SNV	RANBP6:NM_012416:exon1:c.A1759G:p.N587D	N	Y	Y
9	6013859	T	C	12	11	45.83	23	syn SNV	RANBP6:NM_012416:exon1:c.A1749G:p.Q583Q	N	Y	Y
11	86055746	A	G	43	5	10.2	48	syn SNV	C11orf73:NM_016401:exon4:c.A522G:p.A174A	N	Y	Y
12	9230302	T	C	14	4	21.05	18	nonsyn SNV	A2M:NM_000014:exon26:c.A3271G:p.I1091V	N	Y	Y
12	49315778	T	C	27	4	12.5	31	nonsyn SNV	FKBP11:NM_016594:exon6:c.A595G:p.K199E,FKBP11 :NM_001143781:exon5:c.A289G:p.K97E	N	Y	Y
13	46090371	A	G	19	3	13.04	22	nonsyn SNV	COG3:NM_031431:exon17:c.A1903G:p.I635V	N	Y	Y

13	52604264	A	G	17	5	22.73	22	nonsyn SNV	UTP14C:NM_021645:exon2:c.A1324G:p.S442G	N	Y	Y
13	52604288	A	G	18	5	21.74	23	nonsyn SNV	UTP14C:NM_021645:exon2:c.A1348G:p.S450G	N	Y	Y
21	34948722	A	G	10	4	28.57	14	nonsyn SNV	SON:NM_138927:exon12:c.A7273G:p.R2425G	N	Y	Y
13	52604434	A	G	17	5	22.73	22	syn SNV	UTP14C:NM_021645:exon2:c.A1494G:p.L498L	N	Y	Y

¹ Ref.=Reference;

² Var.=Variation

³ Nonsyn, nonsynonymous; Syn, synonymous