PNAS

Supporting Information for

Liver-specific transgenic expression of human NTCP in rhesus macaques confers HBV susceptibility on primary hepatocytes

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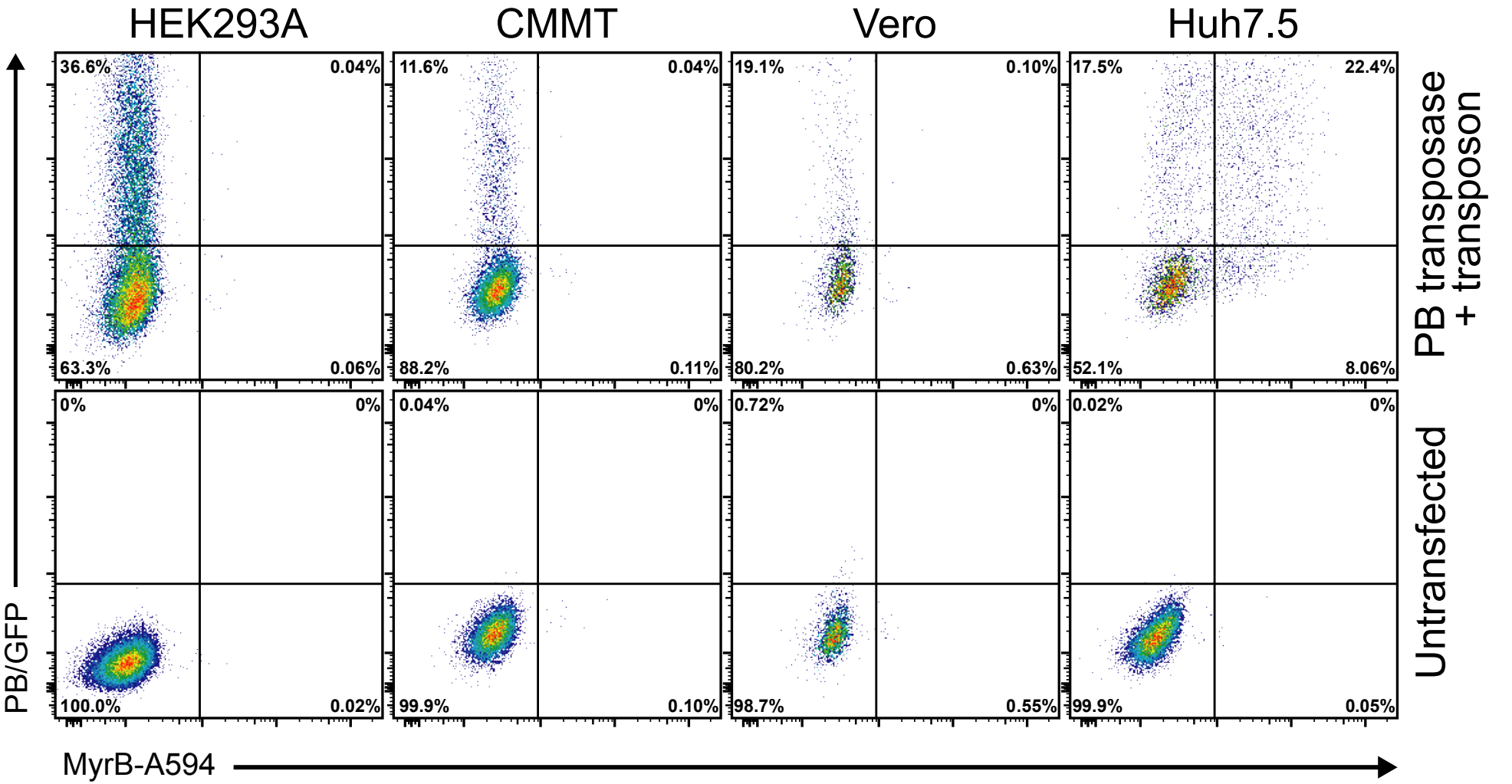

Fig. S1. Confirmation of PB transposon encoding TTR-driven, hNTCP expression. FACS analysis following MyrB-A594 fluorescent staining shows expression of hNTCP only on Huh7.5 cells.

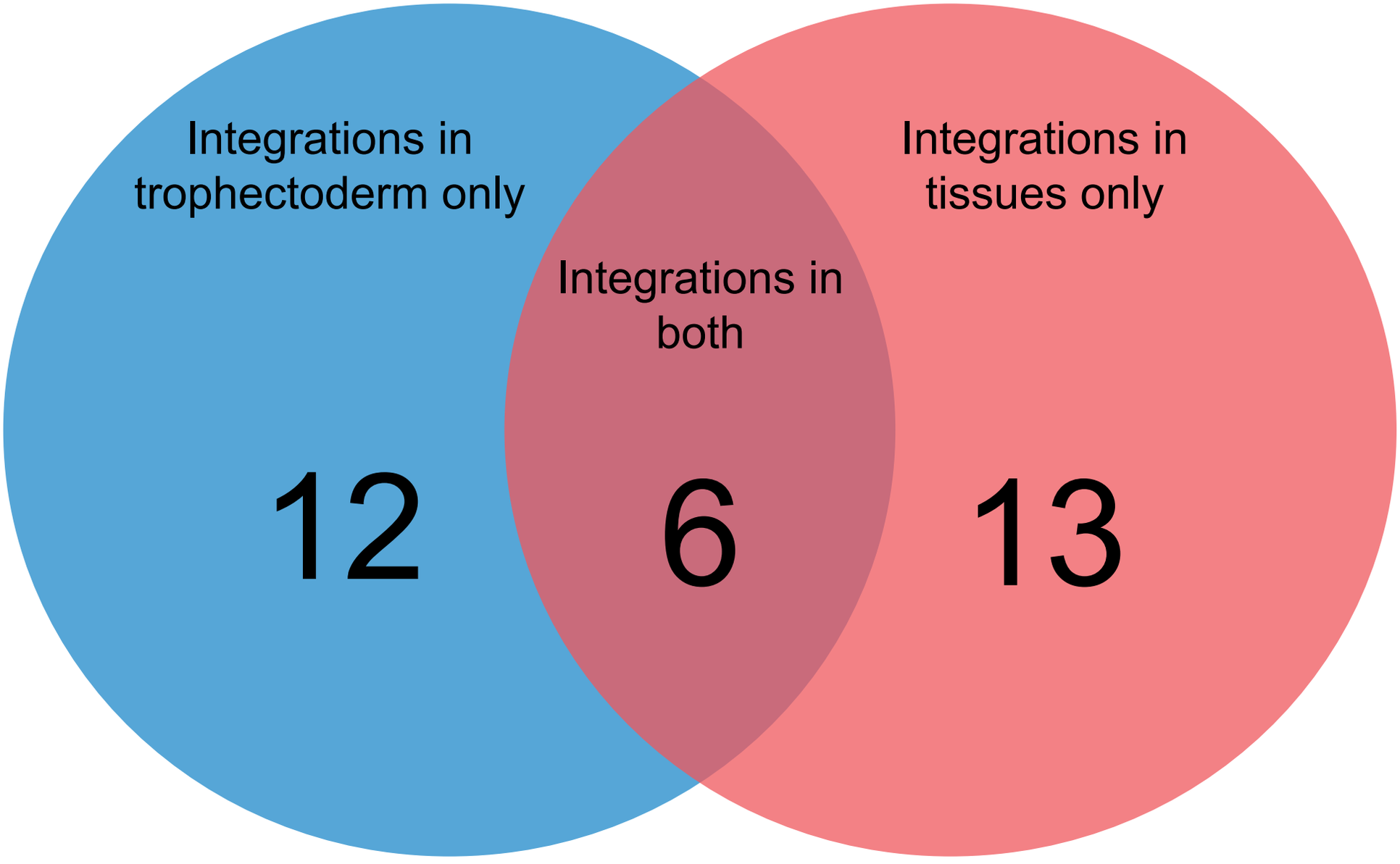

Fig. S2. Venn diagram showing the number of PB transposon integrations identified in the trophectoderm only, the tissues only, and in both trophectoderm and tissues.

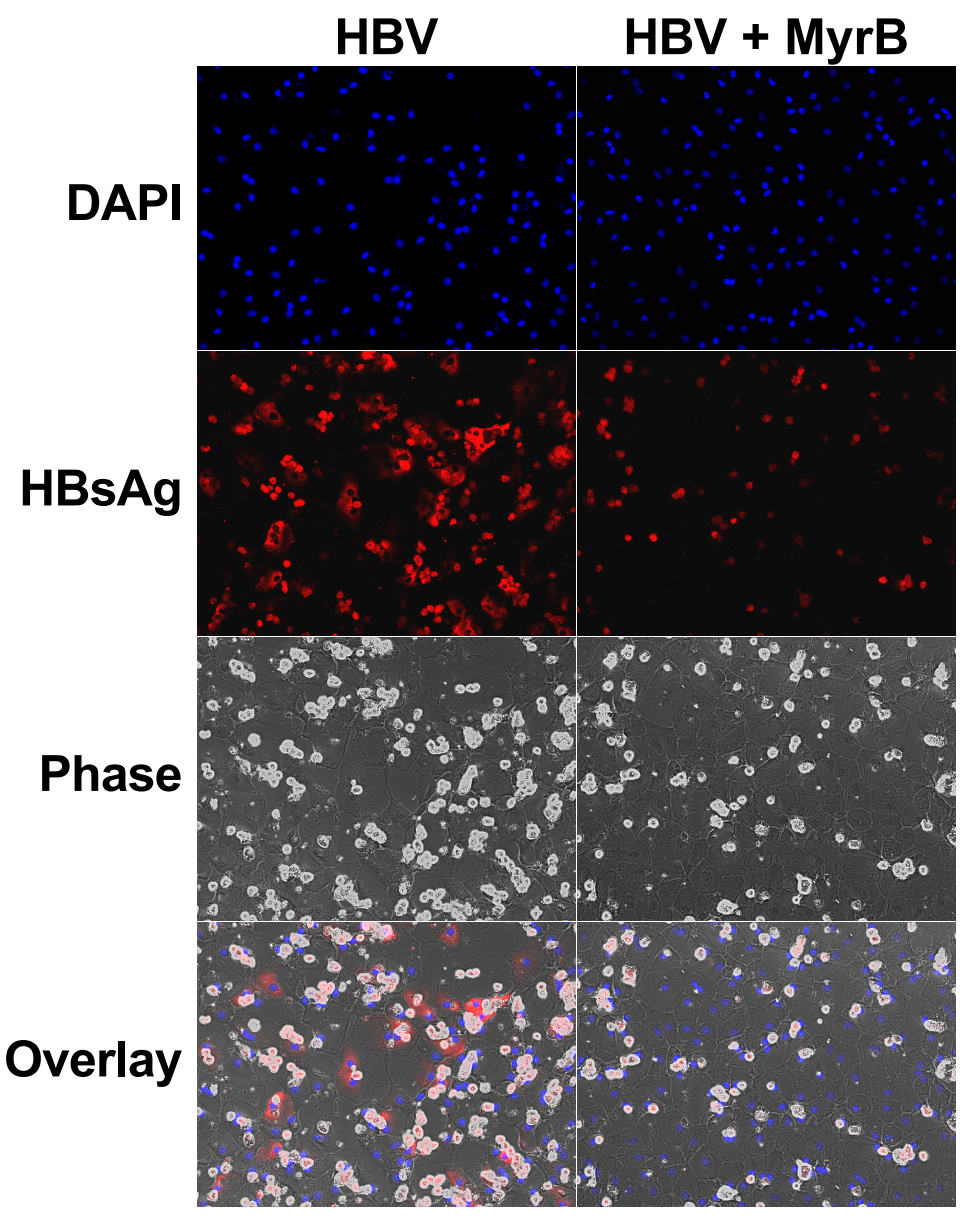

Fig. S3. Microscopy images of PH that were HBV-infected or MyrB-blocked, HBV-infected.

Animal ID	Chromosome	Position	Strand	20 Bases 5' to 5TR Junction	20 Bases 3' to 3TR Junction
Tauro	5	134932438	+	TCCCCAAAAATCATGTTTAA	AATTCAAATTACCGGTAACA
	3	86696258	+	ACATTATTTAGCTTTATTAA	AATTTGTTTGAGGGAAATTT
	3	100887142	-	TCTGTGTGTAAAAGTTTTAA	AATTTCCGTCAAGACGGTAC
	5	28585155	-	ACAGCACAAGGAGAACTTAA	AATTTGTTAAGACTCTATAA
	5	134932431	+	No Amplification	No Amplification
	6	63213830	+	ATTAGGTATATCTCATTTAA	AATTATCTATCCCTCACTTT
	6	80529947	-	ATGCGGAAAGCAGAAATTAA	AATTCTCCTTCCTCCCTTCC
	6	80631153	-	AAATATCCAAGCTATATTAA	AATTTACAAAAAGAAAAGAC
	7	85409662	-	AAGGTCACACAGCTAGTTAA	AATTCATCCTAATTGATCGA
	8	78014366	+	AAAAAGAGCTGAGGGTTTAA	AATTGGTGTCGAGTCTTGGT
Cholie	10	74769431	-	No Amplification	AATTAATACACGATCCATAT
	10	74887471	-	CCTGGTTTACTCAGAGTTAA	AATTGTACTTCTCTACAATT
	11	71288843	+	No Amplification	No Amplification
	13	60099214	+	TGTTTGTGGAATGTGTTTAA	AATTTCCTAACTAAGATCTT
	13	60286044	+	TATATACATACAAGACTTAA	AATTGAATTTCTGAGTTAGT
	14	3292456	-	ATAAGTTCCCTCCCATTTAA	AATTTCTTTTTCGTTTTGGG
	14	105938355	+	GCCCTGGGTGAGAGCATTAA	AATTATTTAGTGTCGTGTCG
	14	106091074	+	TCAGCGATCACTGTCCTTAA	AATTAACGGGTCATAGGTTA
	15	110500242	+	GACTAAATGCCCTTATTTAA	AATTTCCGTGTCTCACCGTT
	16	23922930	+	ATAAATGTCAAATTTATTAA	AATTTTCGGATTGGTTTGAT

Table S1. PCR and Sanger sequencing confirmation of PB transposon genomic junctions.

Animal ID	Chromosome	Position	Strand	5TR genomic primer	3TR genomic primer
Tauro	5	134932438	+	CCTGCCAACAGTGTAAAAGGTT	TGGCAGAGCTCACATGATCT
	3	86696258	+	TCCTGACAACTCTGGGTGAAAGG	GGACTTTGAGACCAGCGTGA
	3	10088714	-	TGTGTGGGCATATGGGCATA	ACACTCCAGCCCAAATGCTA
	5	28585155	-	TAAGAATATACAGTCCTCAGTGGGTGT	CTACACGGGCATACTCCTCC
	6	63213830	+	TTCCCTCCCCCATCCTTTCT	CTTCTTTTATTGTTGGGCATCACCG
	6	80529953	-	GCCCACAAAGGGGAGGAAAG	CTTCCAACACTGCTTCCCAAC
	6	80631153	-	AAGGTAAAGCAGGAGCAGGC	CATCTCTGCATCAGGCTCCTG
	7	85409668	-	AAGCCACGGAAGAAAAGCACT	GAAGGAAGCTGCTAGGACCAGG
	8	78014366	+	CTCAGAATGCTTCTGTAGGGTGATTG	ATTGGTAGTCCTGCAGGTCTTGG
Cholie	10	74769437	-	AGGGTTTCACCGTGTTAGCC	GCT GTA CAA CTT GCC TGC TT
	10	74887477	-	GGGCATCCTTGTCTTGTACCA	ACT GGG AAG AGC CTT GGA CT
	13	60099214	+	TGGGGACAAAAGTGACTTGACA	TCC CAC AAC TTT CCT CTTTGCT
	13	60286044	+	GTGTGCCTTCTCCTTCCCTT	TGG TGT TCT CGT CTT GAG GTT
	14	3292462	-	CCCCCAACCTGCTCTACAAA	CCAAATTGCTCCACTGGCAAAT
	14	105938355	+	CGGAACCAGTGAACGCAGAA	GAGTGCAGCAGAGTTCCAGT
	14	106091074	+	TTCCTGGCTCTGTCTCCTCA	TAACGAGAAATGCCCACGGG
	15	110500242	+	TGACACCATAAGGCAACCACA	GTGCTCCTGTGTTGGAAGCA
	16	23922930	+	ACCTAACTGGCTAAGACCCGA	GTGCCCAGCCCTAATACGTT

Table S2. Genomic primer pairs used for Sanger sequencing confirmation of PB transposon genomic junctions.