

Appendix A

Table S1 Primers for PCR analysis

Primer name	Primer sequence	Size and Utility
hLF-5-F	ATGCATCATATGggcgcgccCTGAGACCAG AGCTGGGACA	394 bp, amplification of homologous arms HA-hLF-F
hLF-5-R	TCTTGCAAGGGCCAGAGCCACCAGACA GGCAAGGATGAGGACCTTCATGTCTGCG GTCTGGAGGCGAC	
hLF-3-F	AAAGTTGTGTGGGTCTCTAAAACCGAAG AAGATGGCCCAG	331 bp, amplification of homologous arms HA-hLF-R
hLF-3-R	CGAATTAAGCTTggcgcgccGGAGGGGCTG GACCTGAAAA	
BCHE-5-F	ATGAAGGTCTCATCCTTGCTGTCTGG TGGCTCTGGCCCTTGCAAGAGAAGATGA CATCATAATTGCAACA	304 bp, amplification of homologous arms HA-hBCHE-F
BCHE-5-R	CAGATTATGTGAAAATGCGGCCGCCATG GAAGCCTGGAAAACCTTG	
BCHE-3-F	CAAAGTTTTCCAGGCTTCCATGggcgcgcA TTTTACATAATCTG	373 bp, amplification of homologous arms HA-hBCHE-R
BCHE-3-R	CTGGGCCATCTTCTTCGGTTTTAGAGAC CCACACAACCTT	
ld-bhce-neo-5	CAAGATATGTGGTTATTATATTACCCG TAGCTGTAAAATATTTTATTCCTTCTCAA CATCAGCATAAATTTCTGCTCAAGGAGC CCAATTCCGATCATA	2060 bp, amplification of kanamycin/neomycin resistance cassette with homologous arms of hBCHE gene
ld-bhce-neo-3	GTAGAAACTAACAAGTACAGCTGCTGG AGGCTGGATATTAACCAGGAGAACCG ATGGTCTGATTCAGTACAGCAATCCGCT CTAGAACTAGTGGAT	
ld-bh-tidujietou-5-f	GTAAGCCAGTTATCTCACTAA	975 bp, detection of pBAC-hBCHE-neo vector
ld-bh-tidujietou-5-r	AAAGCGAAGGAGCAAAGC	
ld-bh-tidujietou-3-f	TCGCATTGTCTGAGTAGGT	996 bp, detection of pBAC-hBCHE-neo vector
ld-bh-tidujietou-3-r	ATATTGATCTGAAGGTGG	
bche-exon1-f	CCAAGTCGCCTCCAGACCCGAGAC	1542 bp, detection of exon 2 of hBCHE gene
bche-exon1-r	ACCAAGCCAGAGAACAATGAC	
bche-exon2-f	CTAAGCCCAGTTCACATACGTTTC	405 bp, detection of exon 3 of hBCHE gene
bche-exon2-r	GTGCCTTGGAGAGTATACTTCAT	
lf-bche-3f1	ATTGCCCATCCATCTGCTTAC	1057 bp, detection of exon 4 of hBCHE gene

lf-bche-3r2	TTCAGGACACTTGTCTGATCTCTG	
Qpcr-atg	ATGAAGGTCCTCATCCTTGCCTGTC	116 bp, copy number detection of
Qpcr-122	GCCACCAAAAACGTCAAGTTCAT	hBCHE gene
Fabpi-F	GACTGCTGGTCCTCCTACAGGAT	181 bp, internal control for copy
Fabpi-R	ATTGCACCCAACCAATGGA	number detection
BCHE-774-F	TTTAATGCTCCTTGGGCGGT	774 bp, RT-PCR for hBCHE mRNA
BCHE-774-R	CTGAGTCTCATTGGATTCCCAT	
GAPDH-F	AGGCCGGTGCTGAGTATGTC	530 bp, RT-PCR for GAPDH
GAPDH-R	TGCCTGCTTCACCACCTTCT	control
