**Table 1.** Blast search of the mouse EST database against the sequence of the second exon of Bcrp1. Adapted from [5](#_ENREF_5" \o "Xie, 2013 #3055).

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Accession #** | **bp in EST** | **Reference** | **Tissue source** | **Description** | **TSS\*** | **Splice donor\*** | **Exon name** |
| CJ042273 | 465 | Hyashizaki Y25 | Testis | CJ042273 RIKEN full-length enriched mouse cDNA library, C57BL/6J testis male adult Mus musculus cDNA clone 1700028L09 5-, mRNA sequence | -70664 | -70578 | E1U |
| BQ561807 | 515 | Yong Quian26 | Mixed | H4072E04-5 NIA Mouse 7.4K cDNA clone Set Mus musculus cDNA clone H4072E07 5-, mRNA sequence | -58967 | -58530 | E1A |
| CA570499 | 604 | Dudekula DB-u | Hematopoietic Stem cell  (Lin-/c-Kit+/Sca-1+) | K0507B12-5N NIA Mouse Hematopoietic Stem Cell (Lin-/c-Kit+/Sca-1+) cDNA Library (Long) Mus musculus cDNA clone NIA:K0507B12 IMAGE:30061535 5-, mRNA sequence | -58967 | -58530 | E1A |
| CO039662 | 697 | Strausberg R-u | Hypothalamus | UI-M-BH2.3-aoc-c-04-0-UI.s1 NIH\_BMAP\_M\_S3.3 Mus musculus | -58607 | -58530 | E1A |
| BE648996\*\* | 364 | Chin H27 | Brain | UI-M-BH2.3-aoc-c-04-0-UI.r1 NIH\_BMAP\_M\_S3.3 Mus musculus cDNA clone UI-M-BH2.3-aoc-c-04-0-UI 5-, mRNA sequence | -59663 -58665 | -59621 -58528 | E1A/ E1A1 |
| CB952822 | 722 | Strausberg R-u | Kidney | AGENCOURT\_13687590 NIH\_MGC\_176 Mus musculus cDNA clone IMAGE:30304782 5-, mRNA sequence | -15059 | -15011 | E1B |
| AI466665 | 263 | Marra M-u | Whole embryo | mg85b06.y1 Soares mouse embryo NbME13.5 14.5 Mus musculus cDNA clone IMAGE:439763 5-, mRNA sequence | -15073 | -15011 | E1B |
| AI882010 | 525 | Marra M-u | Kidney | Ul30b11.y1 Sugano mouse kidney mkia Mus musculus cDNA clone IMAGE:2099805 5- similar to TR:Q02785 Q02785 LPE14P.;, mRNA sequence | -15078 | -15011 | E1B |
| BY730713 | 675 | Hayashizaki Y28 | Kidney | BY730713 RIKEN full-length enriched, 0 day neonate kidney Mus musculus cDNA clone D630015I16 5-, mRNA sequence | -15092 | -15011 | E1B |
| AA008579 | 926 | Marra M-u | Embryo | mg85b06.r1 Soares mouse embryo NbME 13.5 14.5 Mus musculus cDNA clone IMAGE:439763 5- similar to PIR:S48442 hypothetical protein – yeast;, mRNA sequence | -15074 | -15011 | E1B |
| AW611052\*\*\* | 652 | Marra M-u | Kidney | un76b05.y1 Sugano mouse kidney mkia Mus musculus cDNA clone IMAGE:2536785 5- similar to TR:O95374 BREAST CANCER RESISTANCE PROTEIN. ;, mRNA sequence | -15043 -5179 | -15007 -5095 | E1B/  E1C |
| AI226912\*\*\*\* | 562 | Marra M-u | Kidney | uj11b07.y1 Sugano mouse kidney mkia Mus musculus cDNA clone IMAGE:1907701 5- similar to TR:Q02785 Q02785 LPE14P. ;, mRNA sequence | -15054 -5179 | -15007 -5095 | E1B/  E1C |
| AI647825# | 529 | Marra M-u | Kidney | uk44f03.x1 Sugano mouse kidney mkia Mus musculus cDNA clone IMAGE:1971869 3' similar to TR:P78577 P78577 ATP-BINDING CASSETTE MULTIDRUG TRANSPORTER. ;, mRNA sequence |  |  | # |
| AI664571# | 458 | Marra M-u | Embryo | uk25h09.y1 Sugano mouse embryo mewa Mus musculus cDNA clone IMAGE:1970081 5' similar to SW:YOH5\_YEAST Q08234 PROBABLE ATP-DEPENDENT TRANSPORTER YOL075C. ;, mRNA sequence |  |  | # |

**Footnotes:**

\* TSS (Transcription Start Site) and splice donor site are in relation to 5’ end of Exon 2 (+1)

\*\* A novel alternative Bcrp1 Exon 1 spliced upstream of E1A in the EST BE648996, and hence designated as E1A1.

\*\*\* E1C spliced to E1B on its 5’ end and E2 on its 3’ end (EST accession # AW611052.2); 5’ UTR comprised a combination of two first exons

\*\*\*\* E1C spliced to E1B on its 5’ end and E2 on its 3’ end (EST accession # AI226912.3); 5’ UTR comprised a combination of two first exons

# EST does not include 5’ end of Bcrp1 exon 2, so no inferences to the 5’ UTR can be made

u Unpublished