**Additional File 4.** ASPIC detected introns on a sample of 32 U12 introns listed in Table 5 of Levine and Durbin (2001). Genome coordinates (NCBI assembly 35), mRNA alignment, HUGO and representative mRNA ID and number of supporting transcripts are reported for each intron.

| Intron Sequence         | Genome Location                      | Supporting Transcripts | ESTs |
|-------------------------|--------------------------------------|------------------------|------|
| TAATCAAGGAAACACGTATCTTTTCAGTGTACC----CTTTAACCATTTTTATTCAGAGGCTCCAGCATATC | chr1: 130719136...130720647 | AF051782 + 6 ESTs    |
| AGAAGAAGAAACGTATACCTTTTTAGAGTCGT----ATCCTTAAACAGGTATTGTTTATCTTGATGAAGACCCCTG | chr1: 130719136...130720647 | AF051782 + 6 ESTs    |
| CAGAAATCGAGAGATCATCATCCTTTGAAGTGGCCGG----CCGCGCCCTTGACTGTGCACATATCTACCAAGAGC | chr1: 130719136...130720647 | AF051782 + 6 ESTs    |
| AGAAGAAGAAACACGTATACCTTTTTAGAGTCGT----ATCCTTAAACAGGTATTGTTTATCTTGATGAAGACCCCTG | chr1: 130719136...130720647 | AF051782 + 6 ESTs    |
