

Table SI. Coverage of cellular transcripts

Transcript taxonomy	Sequence id	Sequence length	Mean vertical coverage - entire transcript	Mean vertical coverage - covered regions	Horizontal coverage (%)
<i>Human transcripts from "housekeeping" genes</i>					
<i>Homo sapiens</i> actin, beta (ACTB), mRNA	gi 168480144 ref NM_001101.3	1852	275.018	275.167	99.946
<i>Homo sapiens</i> glyceraldehyde-3-phosphate dehydrogenase (GAPDH), transcript variant 1, mRNA	gi 576583510 ref NM_002046.5	1421	46.0443	50.6809	90.8515
<i>Homo sapiens</i> ribosomal protein lateral stalk subunit P0 (RPLP0), transcript variant 1, mRNA	gi 49087144 ref NM_001002.3	1229	44.4988	49.4923	89.9105
<i>Homo sapiens</i> beta-2-microglobulin (B2M), mRNA	gi 37704380 ref NM_004048.2	987	543.723	554.969	97.9737
<i>Other human transcripts known to be weakly or not expressed in the skin</i>					
<i>Homo sapiens</i> neuronal cell adhesion molecule (NRCAM), transcript variant 2, mRNA	gi 302191645 ref NM_005010.4	6322	0.301329	1.17231	25.7039
<i>Homo sapiens</i> cyclin-dependent kinase inhibitor 1A (CDKN1A), transcript variant 1, mRNA	gi 310832422 ref NM_000389.4	2175	3.8377	4.03627	95.0805
<i>Homo sapiens</i> integrin subunit beta 2 (ITGB2), transcript variant 1, mRNA	gi 735367774 ref NM_000211.4	2973	2.46889	2.9789	82.8792
<i>Homo sapiens</i> pleiotrophin (PTN), transcript variant 1, mRNA	gi 42476152 ref NM_002825.5	1558	0.51027	1.92961	26.4442
<i>Homo sapiens</i> kallikrein-related peptidase 3 (KLK3), transcript variant 1, mRNA	gi 22208990 ref NM_001648.2	1464	0	0	0
<i>Non-human actin transcripts</i>					
<i>Bos taurus</i> actin, beta (ACTB), mRNA	gi 75832053 ref NM_173979.3	1948	4.37012	10.0153	43.6345
<i>Drosophila melanogaster</i> actin 42A (Act42A), mRNA	gi 442622386 ref NM_078901.3	1626	0	0	0
<i>Danio rerio</i> actin, alpha 1b, skeletal muscle (acta1b), mRNA	gi 70778799 ref NM_214784.2	1522	0	0	0
<i>Virus known to be detectable in skin samples as viral particles</i>					
Merkel cell polyomavirus isolate JF813003.1	gi 343183509 gb JF813003.1	5387	0	0	0
Human papillomavirus type 11 (HPV-11) complete genome	gi 333026 gb MI14119.1 PPH11	7931	0	0	0
Polyomavirus HPYV6 isolate BJ376, complete genome	gi 724090679 gb KM387421.1	4926	0	0	0
<i>Viruses not expected in skin samples</i>					
Hepatitis C virus (HCV) complete genome	gi 221612 dbj D11168.1 HPCJTA	9436	0	0	0
SARS coronavirus, complete genome	gi 30271926 ref NC_004718.3	29751	0	0	0

The table shows the coverage of different transcripts to help the reader to evaluate the sensitivity and the specificity of the detection. Regarding actin, the coverage of human actin is much more important than that of *Bos actin*, but there is nevertheless some cross-reactivity in relation to partial identity between human and bovine actin.