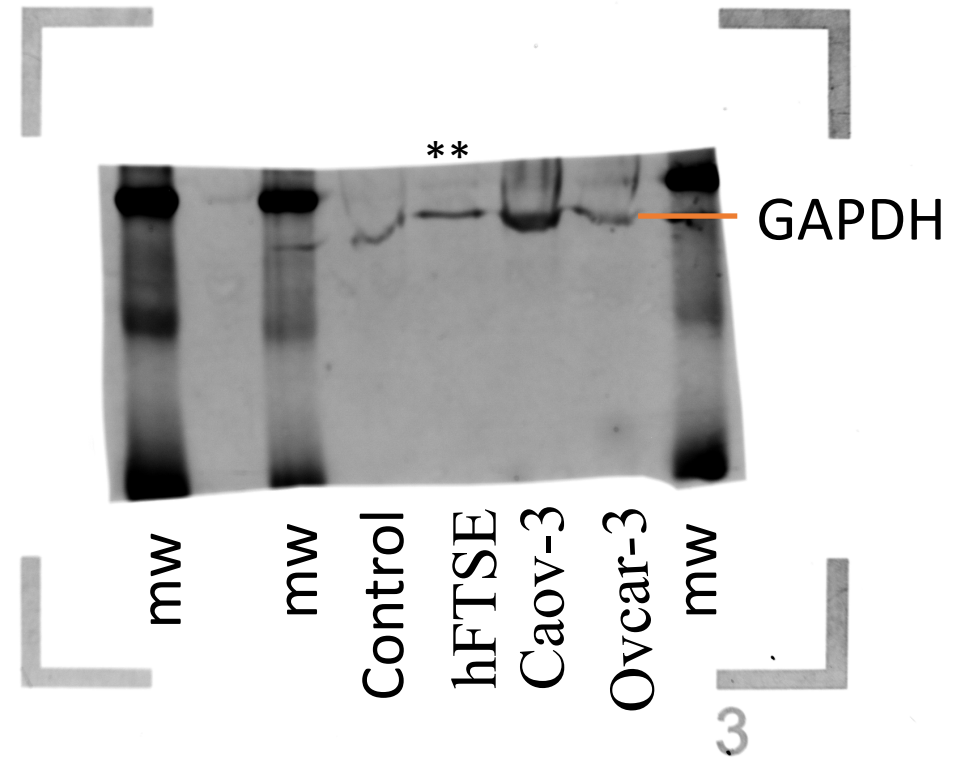
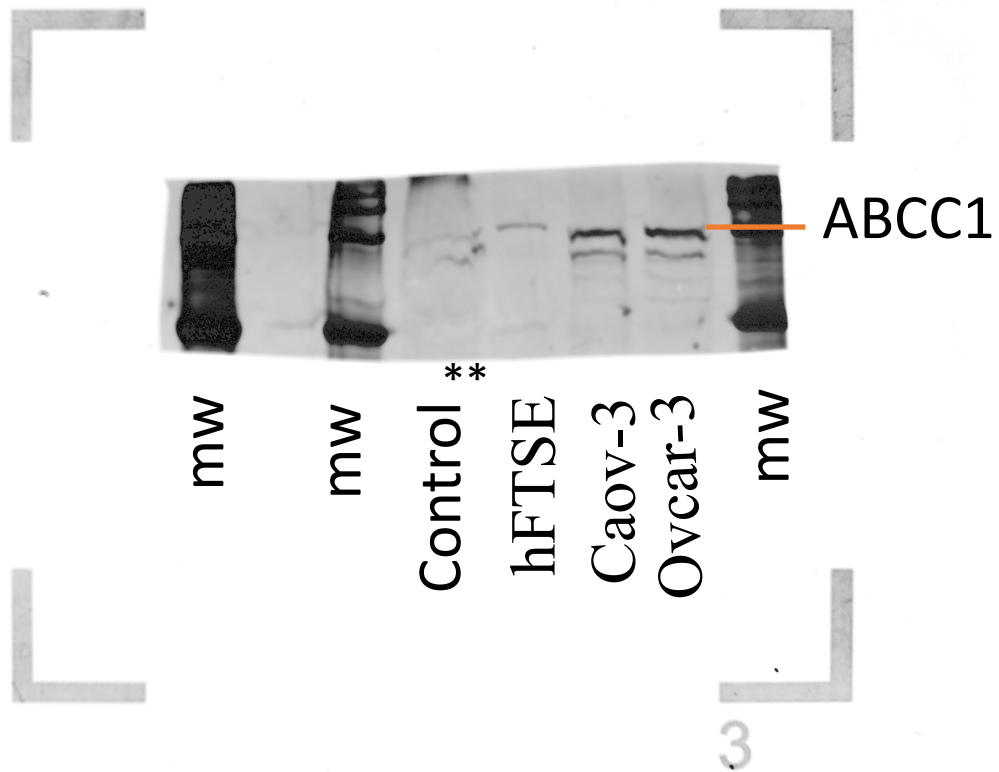
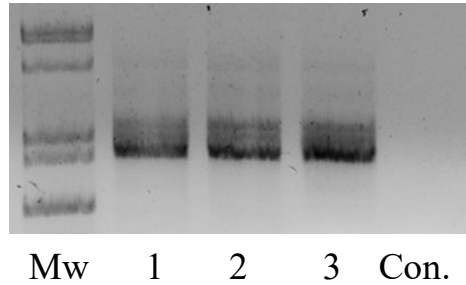




Supplemental Figure 1A. Western Blot for ABCC1. Shown is the full membrane from the Imager that was cut to probe for *ABCC1* and GAPDH and provide data for Figure 1C. The molecular weight (mw) markers are labeled. Please note that the cut membrane fits together on the edges with the **.

	Densitometry readings using Image J		
cell line	ABCC1 area	GAPDH area	divided by GAPDH
hFTSECs	2152.569	10496.681	0.2
Caov-3	15770.433	24207.342	0.7
Ovcar-3	16633.513	9877.359	1.7

Supplemental Figure 1B. Shown are the densitometry readings obtained using Image J used on western blots from Supplementary Figure 1A and this shows the area under each band and the final value when normalized to GAPDH.



Supplementary Figure 2. Primers for ABCC1 3'RACE. An Ethidium bromide stained agarose gel of 3'RACE products using primers designed to detect 3'UTRs of ABCC1 in RNA derived from three different SKOV3 cell line extracts and a control (Con) sample with no RNA.

Consensus
ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

GCCGCCGCCGCCGCCGCCAGCGCTAGCGCCAGCAGCCGGGCCCGATCACCCGCCGCCCGGTGCCCCGCCGC 70

Consensus
ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

CGCCCCGCCAGCAACCGGGCCCCGATCACCCGCCGCCCGGTGCCCCGCCGCCGCCGCCGCCACCGGCATGG 140

Consensus
ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

CGCTCCGGGGCTTCTGCAAGCGCCGATGGCTCCGACCCGCTCTGGGACTGGAATGTCACGTGGAATACCA 210

Consensus
ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

CAACCCCGACTTCACCAAGTGCTTTTCAGAACACGGTCCTCGTGTGGGTGCCTTGTTTTTACCTCTGGGCC 280

Consensus
ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

TGTTTCCCCTTCTACTTCCTCTATCTCTCCCACATGACCGAGGCTACATTTCAGATGACACCTCTCAACA 350

Consensus
ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

AAACCAAAACTGCCTTGGGATTTTTGCTGTGGATCGTCTGCTGGGCAGACCTCTTCTACTCTTTCTGGGA 420

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

AAGAAGTCGGGGCATATTCTGGCCCCAGTGTTTCTGGTCAGCCCAACTCTCTTGGGCATCACCATGCTG

490

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

CTTGCTACCTTTTTAATTCAGCTGGAGAGGAGGAAGGGAGTTTCAGTCTTCAGGGATCATGCTCACTTTCT

560

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

GGCTGGTAGCCCTAGTGTTGTCCTAGCCATCCTGAGATCCAAAATTATGACAGCCTTAAAAGAGGATGC

630

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

CCAGGTGGACCTGTTTCGTGACATCACTTTCTACGTCTACTTTTCCCTCTTACTCATTTCAGCTCGTCTTG

700

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

TCCTGTTTCTCAGATCGCTCACCCCTGTTCTCGGAAACCATCCACGACCCTAATCCCTGCCCAGAGTCCA

770

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

GCGCTTCCTTCCTGTCGAGGATCACCTTCTGGTGGATCACAGGGTTGATTGTCCGGGGCTACCGCCAGCC

840

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

CCTGGAGGGCAGTGACCTCTGGTCCTTAAACAAGGAGGACACGTCGGAACAAGTCGTGCCTGTTTTGGTA

910

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

AAGAACTGGAAGAAGGAATGCGCCAAGACTAGGAAGCAGCCGGTGAAGGTTGTGTACTCCTCCAAGGATC

980

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

CTGCCCAGCCGAAAGAGAGTTCCAAGGTGGATGCGAATGAGGAGGTGGAGGCTTTGATCGTCAAGTCCCC

1050

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

ACAGAAGGAGTGGAACCCCTCTCTGTTTAAGGTGTTATACAAGACCTTTGGGCCCTACTTCCTCATGAGC

1120

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

TTCTTCTTCAAGGCCATCCACGACCTGATGATGTTTTCCGGGCCGCAGATCTTAAAGTTGCTCATCAAGT

1190

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

TCGTGAATGACACGAAGGCCCCAGACTGGCAGGGCTACTTCTACACCGTGCTGCTGTTTGTCACTGCCTG

1260

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

CCTGCAGACCCTCGTGCTGCACCAGTACTTCCACATCTGCTTCGTCAGTGGCATGAGGATCAAGACCGCT	1330

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

GTCATTGGGGCTGTCTATCGGAAGGCCCTGGTGATCACCAATTCAGCCAGAAAATCCTCCACGGTCGGGG	1400

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

AGATTGTCAACCTCATGTCTGTGGACGCTCAGAGGTTTCATGGACTTGGCCACGTACATTAACATGATCTG	1470

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

GTCAGCCCCCTGCAAGTCATCCTTGCTCTCTACCTCCTGTGGCTGAATCTGGGCCCTTCCGTCCTGGCT	1540

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

GGAGTGGCGGTGATGGTCCTCATGGTGCCCGTCAATGCTGTGATGGCGATGAAGACCAAGACGTATCAGG	1610

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

TGGCCACATGAAGAGCAAAGACAATCGGATCAAGCTGATGAACGAAATTCTCAATGGGATCAAAGTGCT	1680

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

AAAGCTTTATGCCTGGGAGCTGGCATTCAAGGACAAGGTGCTGGCCATCAGGCAGGAGGAGCTGAAGGTG	1750

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

CTGAAGAAGTCTGCCTACCTGTCAGCCGTGGGACACCTTCACCTGGGTCTGCACGCCCTTTCTGGTGGCCT	1820

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

TGTGCACATTTGCCGTCTACGTGACCATTGACGAGAACAACATCCTGGATGCCCAGACAGCCTTCGTGTC	1890

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

TTTGGCCTTGTTCAACATCCTCCGGTTTCCCCTGAACATTCTCCCCATGGTCATCAGCAGCATCGTGAG	1960

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

GCGAGTGTCTCCCTCAAACGCCTGAGGATCTTTCTCTCCCATGAGGAGCTGGAACCTGACAGCATCGAGC	2030

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

GACGGCCTGTCAAAGACGGCGGGGGCAGAACAGCATCACCGTGAGGAATGCCACATTACCTGGGCCAG	2100

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

GAGCGACCCTCCCACACTGAATGGCATCACCTTCTCCATCCCCGAAGGTGCTTTGGTGGCCGTGGTGGGC	2170

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

CAGGTGGGCTGCGGAAAGTCGTCCCTGCTCTCAGCCCTCTTGGCTGAGATGGACAAAAGTGGAGGGGGCACG	2240

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

TGGCTATCAAGGGCTCCGTGGCCTATGTGCCACAGCAGGCCTGGATTGAGAATGATTCTCTCCGAGAAAA	2310

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

CATCCTTTTTGGATGTCAGCTGGAGGAACCATATTACAGGTCCGTGATACAGGCCTGTGCCCTCCTCCCA	2380

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

GACCTGGAAATCCTGCCCAGTGGGGATCGGACAGAGATTGGCGAGAAGGGCGTGAACCTGTCTGGGGGGCC	2450

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

AGAAGCAGCGCGTGAGCCTGGCCCCGGGGCCGTGTACTCCAACGCTGACATTTACCTCTTCGATGATCCCCCT	2520

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

CTCAGCAGTGGATGCCCCATGTGGGAAAACACATCTTTGAAAATGTGATTGGCCCCAAGGGGATGCTGAAG	2590

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

AACAAGACGCGGATCTTGGTCACGCACAGCATGAGCTACTTGCCGCAGGTGGACGTCATCATCGTCATGA	2660

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

GTGGCGGCAAGATCTCTGAGATGGGCTCCTACCAGGAGCTGCTGGCTCGAGACGGCGCCTTCGCTGAGTT	2730

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

CCTGCGTACCTATGCCAGCACAGAGCAGGAGCAGGATGCAGAGGAGAACGGGGTCACGGGCGTCAGCGGT	2800

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

CCAGGGAAGGAAGCAAAGCAAATGGAGAATGGCATGCTGGTGACGGACAGTGCAGGGAAGCAACTGCAGA	2870

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

GACAGCTCAGCAGCTCCTCCTCTATAGTGGGGACATCAGCAGGCACCACAACAGCACCGCAGAACTGCA	2940

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

GAAAGCTGAGGCCAAGAAGGAGGAGACCTGGAAGCTGATGGAGGCTGACAAGGCGCAGACAGGGCAGGTC	3010

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

AAGCTTTCCGTGTACTGGGACTACATGAAGGCCATCGGACTCTTCATCTCCTTCCTCAGCATCTTCCTTT	3080

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

TCATGTGTAACCATGTGTCCGCGCTGGCTTCCAACCTATTGGCTCAGCCTCTGGACTGATGACCCCATCGT	3150

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

CAACGGGACTCAGGAGCACACGAAAGTCCGGCTGAGCGTCTATGGAGCCCTGGGCATTTACAAGGGATC	3220

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

GCCGTGTTTGGCTACTCCATGGCCGTGTCCATCGGGGGGATCTTGGCTTCCCGCTGTCTGCACGTGGACC	3290

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

TGCTGCACAGCATCCTGCGGTCACCCATGAGCTTCTTTGAGCGGACCCCCAGTGGGAACCTGGTGAACCG	3360

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

CTTCTCCAAGGAGCTGGACACAGTGGACTCCATGATCCCGGAGGTCATCAAGATGTTTCATGGGCTCCCTG	3430

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

TTCAACGTCATTGGTGCCTGCATCGTTATCCTGCTGGCCACGCCCATCGCCGCCATCATCATCCCCGCCCC	3500

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

TTGGCCTCATCTACTTCTTCGTCCAGAGGTTCTACGTGGCTTCCTCCCGGCAGCTGAAGCGCCTCGAGTC	3570

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

GGTCAGCCGCTCCCCGGTCTATTCCCATTTCAACGAGACCTTGCTGGGGGTCAGCGTCATTGAGCCTTC	3640

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

GAGGAGCAGGAGCGCTTCATCCACCAGAGTGACCTGAAGGTGGACGAGAACCAGAAGGCCTATTACCCCA	3710

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

GCATCGTGGCCAACAGGTGGCTGGCCGTGCGGCTGGAGTGTTGTTGGCAACTGCATCGTTCTGTTTGCTGC	3780

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovcar-3 short
Caov-3 long
Ovcar-3 long

CCTGTTTGCGGTGATCTCCAGGCACAGCCTCAGTGCTGGCTTGGTGGGCCTCTCAGTGTCTTACTCATTG	3850

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovcar-3 short
Caov-3 long
Ovcar-3 long

CAGGTCACCACGTACTTGAACTGGCTGGTTCTGGATGTCATCTGAAATGGAAACCAACATCGTGGCCGTGG	3920

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovcar-3 short
Caov-3 long
Ovcar-3 long

AGAGGCTCAAGGAGTATTTCAGAGACTGAGAAGGAGGCGCCCTGGCAAATCCAGGAGACAGCTCCGCCCAG	3990

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovcar-3 short
Caov-3 long
Ovcar-3 long

CAGCTGGCCCCAGGTGGGCCGAGTGGAATTCCGGAACTACTGCCTGCGCTACCGAGAGGACCTGGACTTC	4060

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovcar-3 short
Caov-3 long
Ovcar-3 long

GTTCTCAGGCACATCAATGTCACGATCAATGGGGGAGAAAAGGTCGGCATCGTGGGGCGGACGGGAGCTG	4130

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovcar-3 short
Caov-3 long
Ovcar-3 long

GGAAGTCGTCCCTGACCCTGGGCTTATTTCTGGATCAACGAGTCTGCCGAAGGAGAGATCATCATCGATGG	4200

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovcar-3 short
Caov-3 long
Ovcar-3 long

GA AGTCTGG AG G

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovcar-3 short
Caov-3 long
Ovcar-3 long

										NNNAGTCTGGA--G										
TTGTTTTTCGGGTTCCCTCCGAATGAACCTGGACCCATTTCAGCCAGTACTCGGATGAAGA	AGTCTGGA	CGT	4340																	
										GAGATAGTCTGGA--G										14
										AAGAGTCTGGA--G										12
										AGTCTGGA--G										9
										AGTCTGGG-A										10

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovcar-3 short
Caov-3 long
Ovcar-3 long

T **CCTGGAGCTGGCCACCTGAAGGACTTCGTGTCAGCCCTTCCTGACAAGCTAGACCATGAATGTGCAGA**

T **CCTGGAGCTGGCCACCTGAAGGACTTCGTGTCAGCCCTTCCTGACAAGCTAGACCATGAATGTGCAGA**

C **CCTGGAGCTGGCCACCTGAAGGACTTCGTGTCAGCCCTTCCTGACAAGCTAGACCATGAATGTGCAGA** 4410

T **CCTGGAGCTGGCCACCTGAAGGACTTCGTGTCAGCCCTTCCTGACAAGCTAGACCATGAATGTGCAGA** 84

T **CCTGGAGCTGGCCACCTGAAGGACTTCGTGTCAGCCCTTCCTGACAAGCTAGACCATGAATGTGCAGA** 82

T **CCTGGAGCTGGCCACCTGAAGGACTTCGTGTCAGCCCTTCCTGACAAGCTAGACCATGAATGTGCAGA** 79

T **CCTGGAGCTGGCCACCTGAAGGACTTCGTGTCAGCCCTTCCTGACAAGCTAGACCATGAATGTGCAGA** 80

ENST00000399410.8 ABCC1-202
Caov-3 short
Ovcar-3 short
Caov-3 long
Ovcar-3 long



AGGC GGGG AGA A C C T C A G T G T C G G G C A G C G C C A G C T T G T G T G C C T A G C C C G G G C C C T G C T G A G G A A G A C G

AGGC GGGG AGA A C C T C A G T G T C G G G C A G C G C C A G C T T G T G T G C C T A G C C C G G G C C C T G C T G A G G A A G A C G	4480
AGGC GGGG AGA A C C T C A G T G T C G G G C A G C G C C A G C T T G T G T G C C T A G C C C G G G C C C T G C T G A G G A A G A C G	154
AGGC GGGG AGA A C C T C A G T G T C G G G C A G C G C C A G C T T G T G T G C C T A G C C C G G G C C C T G C T G A G G A A G A C G	152
AGGC GGGG AGA A C C T C A G T G T C G G G C A G C G C C A G C T T G T G T G C C T A G C C C G G G C C C T G C T G A G G A A G A C G	149
AGGC GGGG AGA A C C T C A G T G T C G G G C A G C G C C A G C T T G T G T G C C T A G C C C G G G C C C T G C T G A G G A A G A C G	150

ENST00000399410.8 ABCC1-202
Caov-3 short
Ovcar-3 short
Caov-3 long
Ovcar-3 long



AAGATCCTTGTGTTGGATGAGGCCACGGCAGCCGTGGACCTGGAAGACGGACGACCTCATCCAGTCCACCA

AAGATCCTTGTGTTGGATGAGGCCACGGCAGCCGTGGACCTGGAAGACGGACGACCTCATCCAGTCCACCA 4550
 AAGATCCTTGTGTTGGATGAGGCCACGGCAGCCGTGGACCTGGAAGACGGACGACCTCATCCAGTCCACCA 224
 AAGATCCTTGTGTTGGATGAGGCCACGGCAGCCGTGGACCTGGAAGACGGACGACCTCATCCAGTCCACCA 222
 AAGATCCTTGTGTTGGATGAGGCCACGGCAGCCGTGGACCTGGAAGACGGACGACCTCATCCAGTCCACCA 219
 AAGATCCTTGTGTTGGATGAGGCCACGGCAGCCGTGGACCTGGAAGACGGACGACCTCATCCAGTCCACCA 220

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovcar-3 short
Caov-3 long
Ovcar-3 long



TCCGGACACAGTTCGAGGACTGCACCGTCTCTACCATCGCCCACCGGCTCAACACCATCATGGACTACAC

TCCGGACACAGTTCGAGGACTGCACCGTCTCTACCATCGCCCACCGGCTCAACACCATCATGGACTACAC 4620
 TCCGGACACAGTTCGAGGACTGCACCGTCTCTACCATCGCCCACCGGCTCAACACCATCATGGACTACAC 294
 TCCGGACACAGTTCGAGGACTGCACCGTCTCTACCATCGCCCACCGGCTCAACACCATCATGGACTACAC 292
 TCCGGACACAGTTCGAGGACTGCACCGTCTCTACCATCGCCCACCGGCTCAACACCATCATGGACTACAC 289
 TCCGGACACAGTTCGAGGACTGCACCGTCTCTACCATCGCCCACCGGCTCAACACCATCATGGACTACAC 290

Consensus
ENST0000399410.8 ABCC1-202
Caov-3 short
Ovcar-3 short
Caov-3 long
Ovcar-3 long

AAGGGTGATCGTCTTGGACAAAGGAGAAATCCAGGAGTACGGCGCCCCATCGGACCTCCTGCAGCAGAGA
AAGGGTGATCGTCTTGGACAAAGGAGAAATCCAGGAGTACGGCGCCCCATCGGACCTCCTGCAGCAGAGA
AAGGGTGATCGTCTTGGACAAAGGAGAAATCCAGGAGTACGGCGCCCCATCGGACCTCCTGCAGCAGAGA
AAGGGTGATCGTCTTGGACAAAGGAGAAATCCAGGAGTACGGCGCCCCATCGGACCTCCTGCAGCAGAGA
AAGGGTGATCGTCTTGGACAAAGGAGAAATCCAGGAGTACGGCGCCCCATCGGACCTCCTGCAGCAGAGA

4690
364
362
359
360

Consensus
ENST0000399410.8 ABCC1-202
Caov-3 short
Ovcar-3 short
Caov-3 long
Ovcar-3 long

GGTCTTTTCTACAGCATGGCCAAAGACGCCGGCTTGGTGTGAGCCCCAGAGCTGGCATATCTGGTCAGAA
GGTCTTTTCTACAGCATGGCCAAAGACGCCGGCTTGGTGTGAGCCCCAGAGCTGGCATATCTGGTCAGAA
GGTCTTTTCTACAGCATGGCCAAAGACGCCGGCTTGGTGTGAGCCCCAGAGCTGGCATATCTGGTCAGAA
GGTCTTTTCTACAGCATGGCCAAAGACGCCGGCTTGGTGTGAGCCCCAGAGCTGGCATATCTGGTCAGAA
GGTCTTTTCTACAGCATGGCCAAAGACGCCGGCTTGGTGTGAGCCCCAGAGCTGGCATATCTGGTCAGAA

4760
434
432
429
430

Consensus
ENST0000399410.8 ABCC1-202
Caov-3 short
Ovcar-3 short
Caov-3 long
Ovcar-3 long

CTGCAGGGCCTATATGCCAGCGCCCAGGGAGGAGTCAGTACCCCTGGTAAACCAAGCCTCCCACACTGAA
CTGCAGGGCCTATATGCCAGCGCCCAGGGAGGAGTCAGTACCCCTGGTAAACCAAGCCTCCCACACTGAA
CTGCAGGGCCTATATGCCAGCGCCCAGGGAGGAGTCAGTACCCCTGGTAAACCAAGCCTCCCACACTGAA
CTGCAGGGCCTATATGCCAGCGCCCAGGGAGGAGTCAGTACCCCTGGTAAACCAAGCCTCCCACACTGAA
CTGCAGGGCCTATATGCCAGCGCCCAGGGAGGAGTCAGTACCCCTGGTAAACCAAGCCTCCCACACTGAA

4830
502
502
499
500

Consensus
ENST0000399410.8 ABCC1-202
Caov-3 short
Ovcar-3 short
Caov-3 long
Ovcar-3 long

ACCAAAACATAAAAAACCAAAACCCAGACAACCAAAACATATTCAAAGCAGCAGCCACCGCCATCCGGTCCC
ACCAAAACATAAAAAACCAAAACCCAGACAACCAAAACATATTCAAAGCAGCAGCCACCGCCATCCGGTCCC
ACC-----
ACCAAAACATAAAAAACCAAAACCCAGACAACCAAAACATATTCAAAGCAGCAGCCACCGCCATCCGGTCCC
ACCAAAACATAAAAAACCAAAACCCAGACAACCAAAACATATTCAAAGCAGCAGCCACCGCCATCCGGTCCC

4900
502
505
569
570

Consensus
ENST0000399410.8 ABCC1-202
Caov-3 short
Ovcar-3 short
Caov-3 long
Ovcar-3 long

CTGCCTGGAACCTGGCTGTGAAGACCCAGGAGAGACAGAGATGCGAACCACCCAAACACACACACCCCTG
CTGCCTGGAACCTGGCTGTGAAGACCCAGGAGAGACAGAGATGCGAACCACCCAAACACACACACCCCTG
CTGCCTGGAACCTGGCTGTGAAGACCCAGGAGAGACAGAGATGCGAACCACCCAAACACACACACCCCTG
CTGCCTGGAACCTGGCTGTGAAGACCCAGGAGAGACAGAGATGCGAACCACCCAAACACACACACCCCTG

4969
502
505
639
639

Consensus
ENST0000399410.8 ABCC1-202
Caov-3 short
Ovcar-3 short
Caov-3 long
Ovcar-3 long

CCCCCTGGTGGCCCTGAGACAGACACACAGCCTCACGCCCCAGGAATGCAAGTGGTTTCCTGGTGCTTCC
CCCCCTGGTGGCCCTGAGACAGACACACAGCCTCACGCCCCAGGAATGCAAGTGGTTTCCTGGTGCTTCC
CCCCCTGGTGGCCCTGAGACAGACACACAGCCTCACGCCCCAGGAATGCAAGTGGTTTCCTGGTGCTTCC
CCCCCTGGTGGCCCTGAGACAGACACACAGCCTCACGCCCCAGGAATGCAAGTGGTTTCCTGGTGCTTCC

5038
502
505
709
708

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

CACGGAGGAGTTTTGGCAG	CCAGACTTCTGG	G	T	G	TTGTATAGA	GATCCTAGTGACCAAAT
CACGGAGGAGTTTTGGCAG	CCAGACTTCTGG	NNGN	--	NTNGN	TTGTATAGAN	GATCCTAGTGACCAAAT
CACGGAGGAGTTTTGGCAG	CCAGACTTCTGG	AGGA	--	ATTGG	TTGTATAGA	AGATCCTAGTGACCAAAT
CACGGAGGAGTTTTGGCAG	CCAGACTTCTGG	AGG	ACTCT	TCGT	TTGTATAGA	C
CACGGAGGAGTTTTGGCAG	CCAGACTTCTGG	GAGG	--	AATTGG	TTGTATAGAA	GATCCTAGTGACCAAAT

5105
502
505
779
776

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

T	CAGCCTACTGCC	G	GGATCTCTCCAGCCGAAGTCTGT	GGACTGCAAGTCTTTGAGATGCTTCTGG	
T - CAGCCTACTGCC ^{NN} - - GGATCTCTCCAGCCGAAGTCTGT - GGACTGCAAGTCTTTGAGATGCTTCTGG					
T	CAGCCTACTGCC	TC	- - GGATCTCTCCAGCCGAAGTCTGT	- GGACTGCAAGTCTTTGAGATGCTTCTGG	

T	CAGCCTACTGCC	CTCG	GGATCTCTCCAGCCGAAGTCTGT	- GGACTGCAAGTCTTTGAGATGCTTCTGG	
T	CAGCCTACTGCC	TC	-G	GGATCTCTCCAGCCGAAGTCTGT	G
GGACTGCAAGTCTTTGAGATGCTTCTGG					

5171
502
505
848
844

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

CC	ATCACCTCTAACATCCTTGTCTGGGTCTACC	G	A	T	CATTT	C	T	T	GGG	CTG
--	NNCCN	ATCACCTCTAACATCCTTGTCTGGGTCTACC	NNGN	ANNN	--	TN	CATTT	NCNT	--	GGGN
--	CT	CCCATCACCTCTAACATCCTTGTCTGGGTCTACC	AGGA	ACGC	--	TT	CATTT	CCT	T	GGGG
GCTC	CCA	ATCACCTCTAACATCCTTGTCTGGGTCTACC	CAGG	AACCGCT	TC	CATTT	CC	TTTG	GGG	CTG
--	CT	CCCATCACCTCTAACATCCTTGTCTGGGTCTACC	AGG	AACG	--	CT	CATTT	CCT	T	GGGG

5233
502
505
918
909

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

CAGTTTT	G	G	G	GGG	C	G	AGAAAATCATTTT	CC	T	GGCAGTGTCCCAGGGCCC
CAGTTTT	----	G	NNNNN	GN	GGG	NC	NNGN	AGAAAATCATTTT	N	-----
CAGTTTT	----	G	TGGTT	G	AGGGG	C	CTGG	AGAAAATCATTTT	CT	CCCCCTT
CAGTTTT	TGTGG	G	TTGGA	G	GGGG	C	CTGG	AGAAAATCATTTT	C	-----
CAGTTTT	--	GT	G	GGTTT	G	AGGG	C	CTGT	AGAAAATCATTTT	TCTCCTCTTGGGCAGTGTCCCAGGGCCC

5296
502
505
961
976

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

T	GATGGT	CTCTTACCAACATCTGGTCTTC	G	CTCA	AAGCTGGGA	C	AGCATCTCAGCGCCAG
T	GATGGT	CTCTTACCAACATCTGGTCTTC	CAGGC	ACTCAAAAGCTGGGA	AACCAGCATCTCAGCGCCAG		
T	GATGGT	CTCTTACCAACATCTGGTCTTC	CAGGC	ACTCAGAAGCTGGG	ATCAAGCATCTCAGCGCCAG		

5366
502
505
961
1044

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

CTCTA	CAGTTCTCGTT
CTCTA	CAGTTCTCGTT
CTCTA	CAGTTCTCGTT
CTCTA	CAGTTCTCGTT
CTCTA	CAGTTCTCGTT

5436
502
505
961
1060

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

GGTTGGACTAACGGCTAACCTGGACCTGGAAGTGTAGGGCCAGGGGATTGTCTCAGGGCCGACGTTCCAC	5506
-----	502
-----	505
-----	961
-----	1060

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

CTGGGGCTTCCCTCCCCACCCACCCCGACTCCAGGCTTTCCCTTTTTTCTTTTGTTCACATTGTAAGAA	5576
-----	502
-----	505
-----	961
-----	1060

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

CAATCAATGCTGTTATTACTGTTCCCAACCATGATTGATGTGGGGTAAATATTAAGGAGATGGCCTCATGG	5646
-----	502
-----	505
-----	961
-----	1060

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

GAATTTGACCTTGACTAGAAATAGAGACTGAGAGTGAGCAACCAGCTGGAAGGTACTATGCCAGTCCTAG	5716
-----	502
-----	505
-----	961
-----	1060

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

CAGAAAAATGTGTTAGGGGCTGGCCCAAAGCAGTGTTGGTTGCTTACAGTGTTGATTGATTTGTTCTT	5786
-----	502
-----	505
-----	961
-----	1060

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

TTTTCTTACCACCTCTTTTCTTCCCTCTCATGGTACCTGCTCATGGTTATGAAGCTTTCAAAGTAAAGA	5856
-----	502
-----	505
-----	961
-----	1060

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

ACACGAAATACCTCCCAAGTATTACCAGTGGGTACCAAAAAAATGTCCCCTTGAGTCTTTTCCTTGTTTT	5926
-----	502
-----	505
-----	961
-----	1060

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

TAGATGTTAATTCTCTCCCTTGGCATCCGGTTAGCCCCCAGGGGGGGCAGCATTGTGGAGAACTTGATA	5996
-----	502
-----	505
-----	961
-----	1060

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

TTTAGTTACTGATGCTCTTCCAGGACACGAAAAGAACCCATCTTTGAATATCAATGATTTTTTTTTTTTA	6066
-----	502
-----	505
-----	961
-----	1060

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

AGTACTGTTCCGGGGAGAAAAACAGTCTCAAAACTTGAACCTTCTTGGAATAGAAGTGTTGGGCTGAGAA	6136
-----	502
-----	505
-----	961
-----	1060

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

GTAACATTCCCAGGAAATAGTGAGAAGCTCGCCCTGTGTTTGAAACCGTGTTGGTCTCTGTGTTTCCTGGA	6206
-----	502
-----	505
-----	961
-----	1060

Consensus

ENST0000399410.8 ABCC1-202
Caov-3 short
Ovar-3 short
Caov-3 long
Ovar-3 long

AGAAAACAGGGAAGCAGCATCTTTTAAAGCCTGTTCTTTAAGGTGTCTCGTTAGAGCCCAAAGTGGAATC	6276
-----	502
-----	505
-----	961
-----	1060

Consensus		
	ENST00000399410.8 ABCC1-202	6346
	Caov-3 short	502
	Ovcar-3 short	505
	Caov-3 long	961
Ovcar-3 long	1060	
Consensus		
	ENST00000399410.8 ABCC1-202	6416
	Caov-3 short	502
	Ovcar-3 short	505
	Caov-3 long	961
Ovcar-3 long	1060	
Consensus		
	ENST00000399410.8 ABCC1-202	6486
	Caov-3 short	502
	Ovcar-3 short	505
	Caov-3 long	961
Ovcar-3 long	1060	
Consensus		
	ENST00000399410.8 ABCC1-202	6504
	Caov-3 short	502
	Ovcar-3 short	505
	Caov-3 long	961
Ovcar-3 long	1060	

Supplementary Figure 3. Complete sequence alignment of our sequences with ENST00000399410.8. ABCC1-202. We used MAFFT SnapGene software to align our sequences to the ABCC1 transcript ENST00000399410.8. Shown are the short and long sequences derived from 3'RACE and Sanger Sequencing for the Caov-3 and Ovcar3- cells.

Sequence Logo: 50% GC base composition

Consensus Threshold: > 50%

Compare to: the consensus

Bases that match the reference are marked with yellow highlighting.

Description:

Ensembl genome ENST00000399410.8 ABCC1-202
NCBI NM_004996.4

- File 1. CA2.4B short form 100 (600 with ORF)
- File 2. OV2.4D short form 100 (600 with ORF)
- File 3. Ca2.1D long form 1600
- File 4. Ova2.1B long form 1600

Created: Aug 17, 2022

Last Modified: Aug 17, 2022