

The information of 121 exosome-related genes

id	Gene Type	Gene Source	Cell Source	Catogrey	Ensemble	Chromosome/scaffold name	Gene start (bp)	Gene end (bp)	Strand	Gene description
CDC42	mRNA	pubmed	4T1	Biological interesting molecule	ENSG00000070831		1	22052627	22092946	1 cell division cycle 42 [Source:HGNC Symbol;Acc:HGNC:1736]
CP	mRNA	pubmed	4T1	Biological interesting molecule	ENSG00000047457		3	149162410	149222055	-1 ceruloplasmin [Source:HGNC Symbol;Acc:HGNC:2295]
CD47	mRNA	pubmed	MDA-MB-231, MCF-12A	Potential biomarker	ENSG00000196776		3	108043094	108091862	-1 CD47 molecule [Source:HGNC Symbol;Acc:HGNC:1682]
EEF1A1	mRNA	pubmed	MDA-MB-436, MDA-MB-231	Biological interesting molecule	ENSG00000156508		6	73515750	73523797	-1 eukaryotic translation elongation factor 1 alpha 1 [Source:HGNC Symbol;Acc:HGNC:3189]
EPCAM	mRNA	pubmed	BT474	Biological interesting molecule	ENSG00000119888		2	47345158	47387601	1 epithelial cell adhesion molecule [Source:HGNC Symbol;Acc:HGNC:11529]
ERBB2	mRNA	pubmed	BT474	Biological interesting molecule	ENSG00000141736		17	39687914	39730426	1 erb-b2 receptor tyrosine kinase 2 [Source:HGNC Symbol;Acc:HGNC:3430]
FGFR2	mRNA	pubmed	4T1	Biological interesting molecule	ENSG00000066468		10	121478334	121598458	-1 fibroblast growth factor receptor 2 [Source:HGNC Symbol;Acc:HGNC:3689]
CHEK2	mRNA	GSE93070		1833 Potential biomarker	ENSG00000183765		22	28687743	28742422	-1 checkpoint kinase 2 [Source:HGNC Symbol;Acc:HGNC:16627]
BAR1	mRNA	GSE93070		1833 Biological interesting molecule	ENSG00000138376		2	214725646	214809711	-1 BRCA1 associated RING domain 1 [Source:HGNC Symbol;Acc:HGNC:952]
TSC2	mRNA	GSE93070		1833 Biological interesting molecule	ENSG00000103197		16	2047465	2089487	1 TSC complex subunit 2 [Source:HGNC Symbol;Acc:HGNC:12363]
CASP7	mRNA	GSE93070		1833 Biological interesting molecule	ENSG00000165806		10	113679162	113730907	1 caspase 7 [Source:HGNC Symbol;Acc:HGNC:1508]
SFN	mRNA	GSE93070		1833 Potential biomarker	ENSG00000175793		1	26863138	26864457	1 stratifin [Source:HGNC Symbol;Acc:HGNC:10773]
TYR	mRNA	GSE93070		1833 Biological interesting molecule	ENSG00000077498		11	89177452	89295759	1 tyrosinase [Source:HGNC Symbol;Acc:HGNC:14422]
CCKBR	mRNA	GSE93070		1833 Biological interesting molecule	ENSG00000110148		11	6259736	6272127	1 cholecystokinin B receptor [Source:HGNC Symbol;Acc:HGNC:1571]
CYP11A1	mRNA	GSE93070		1833 Biological interesting molecule	ENSG00000140459		15	74337759	74367740	-1 cytochrome P450 family 11 subfamily A member 1 [Source:HGNC Symbol;Acc:HGNC:2590]
GATA4	mRNA	GSE93070		1833 Potential biomarker	ENSG00000136574		8	11676959	11760002	1 GATA binding protein 4 [Source:HGNC Symbol;Acc:HGNC:4173]
ABC11	mRNA	GSE93070		1833 Biological interesting molecule	ENSG00000073734		2	168922938	169031322	-1 ATP binding cassette subfamily B member 11 [Source:HGNC Symbol;Acc:HGNC:42]
IVL	mRNA	GSE93070		1833 Potential biomarker	ENSG00000163207		1	152908545	152911886	1 involucrin [Source:HGNC Symbol;Acc:HGNC:6187]
BID	mRNA	GSE93070		1833 Biological interesting molecule	ENSG00000154755		22	17734138	17747770	-1 BH3 interacting domain death agonist [Source:HGNC Symbol;Acc:HGNC:1050]
SDHA	mRNA	GSE93070		1833 Biological interesting molecule	ENSG00000073578		5	218241	257082	1 succinate dehydrogenase complex flavoprotein subunit A [Source:HGNC Symbol;Acc:HGNC:10680]
USF1	mRNA	GSE93070		1833 Biological interesting molecule	ENSG00000158773		1	161039251	161045977	-1 upstream transcription factor 1 [Source:HGNC Symbol;Acc:HGNC:12593]
RHO	mRNA	GSE93070		1833 Biological interesting molecule	ENSG00000163914		3	129528640	129535169	1 rhodopsin [Source:HGNC Symbol;Acc:HGNC:10012]
TAC1	mRNA	GSE93070		1833 Potential biomarker	ENSG00000006128		7	97731908	97740472	1 tachykinin precursor 1 [Source:HGNC Symbol;Acc:HGNC:11517]
HLA-DQA1	mRNA	GSE93070		1833 Biological interesting molecule	ENSG00000196735		6	32628179	32647062	1 major histocompatibility complex, class II, DQ alpha 1 [Source:HGNC Symbol;Acc:HGNC:4942]
RIPK1	mRNA	GSE93070		1833 Biological interesting molecule	ENSG00000137275		6	3063991	3115187	1 receptor interacting serine/threonine kinase 1 [Source:HGNC Symbol;Acc:HGNC:10019]
CUL4A	mRNA	GSE93070		1833 Biological interesting molecule	ENSG00000139842		13	113208193	113267108	1 cullin 4A [Source:HGNC Symbol;Acc:HGNC:2554]
ABC5	mRNA	GSE93070		1833 Biological interesting molecule	ENSG00000004846		7	20615207	20777038	1 ATP binding cassette subfamily B member 5 [Source:HGNC Symbol;Acc:HGNC:46]
ADCYAP1	mRNA	GSE93070		1833 Biological interesting molecule	ENSG00000141433		18	904943	912172	1 adenylate cyclase activating polypeptide 1 [Source:HGNC Symbol;Acc:HGNC:241]
FZD5	mRNA	GSE93070		1833 Biological interesting molecule	ENSG00000163251		2	207762586	207769563	-1 frizzled class receptor 5 [Source:HGNC Symbol;Acc:HGNC:4043]
RANBP1	mRNA	GSE93070		1833 Biological interesting molecule	ENSG00000099901		22	20115938	20127357	1 RAN binding protein 1 [Source:HGNC Symbol;Acc:HGNC:9847]
CASC3	mRNA	GSE93070		1833 Biological interesting molecule	ENSG00000108349		17	40140318	40172171	1 CASC3 exon junction complex subunit [Source:HGNC Symbol;Acc:HGNC:17040]
GPBAR1	mRNA	GSE93070		1833 Biological interesting molecule	ENSG00000179921		2	218259496	218263859	1 G protein-coupled bile acid receptor 1 [Source:HGNC Symbol;Acc:HGNC:19680]
PSMC5	mRNA	GSE93070		1833 Biological interesting molecule	ENSG00000087191		17	63827152	63832026	1 proteasome 26S subunit, ATPase 5 [Source:HGNC Symbol;Acc:HGNC:9552]
POLR2K	mRNA	GSE93070		1833 Biological interesting molecule	ENSG00000147669		8	100150584	100154002	1 RNA polymerase II subunit K [Source:HGNC Symbol;Acc:HGNC:9198]
PLCB4	mRNA	GSE93070		1833 Biological interesting molecule	ENSG00000101333		20	9068763	9481242	1 phospholipase C beta 4 [Source:HGNC Symbol;Acc:HGNC:9059]
DOK1	mRNA	GSE93070		1833 Biological interesting molecule	ENSG00000115325		2	74549026	74557554	1 docking protein 1 [Source:HGNC Symbol;Acc:HGNC:2990]
SF3B4	mRNA	GSE93070		1833 Biological interesting molecule	ENSG00000143368		1	149923317	149928344	-1 splicing factor 3b subunit 4 [Source:HGNC Symbol;Acc:HGNC:10771]
GTF2I	mRNA	GSE93070		1833 Potential biomarker	ENSG00000263001		7	74657667	74760692	1 general transcription factor Iii [Source:HGNC Symbol;Acc:HGNC:4659]
NOC2L	mRNA	GSE93070		1833 Biological interesting molecule	ENSG00000188976		1	944204	959309	-1 NOC2 like nucleolar associated transcriptional repressor [Source:HGNC Symbol;Acc:HGNC:24517]
MEF2A	mRNA	GSE93070		1833 Biological interesting molecule	ENSG00000068305		15	99565417	99716466	1 myocyte enhancer factor 2A [Source:HGNC Symbol;Acc:HGNC:6993]
CYC1	mRNA	GSE93070		1833 Potential biomarker	ENSG00000179091		8	144095027	144097525	1 cytochrome c1 [Source:HGNC Symbol;Acc:HGNC:2579]
MRPL21	mRNA	GSE93070		1833 Biological interesting molecule	ENSG00000197345		11	68891276	68903835	-1 mitochondrial ribosomal protein L21 [Source:HGNC Symbol;Acc:HGNC:14479]
MRPL4	mRNA	GSE93070		1833 Biological interesting molecule	ENSG00000105364		19	10251901	10260045	1 mitochondrial ribosomal protein L4 [Source:HGNC Symbol;Acc:HGNC:14276]
BDKR2	mRNA	GSE93070		1833 Biological interesting molecule	ENSG00000168398		14	96204679	96244166	1 bradykinin receptor B2 [Source:HGNC Symbol;Acc:HGNC:1030]
PIK3R5	mRNA	GSE93070		1833 Biological interesting molecule	ENSG00000141506		17	8878911	8965712	-1 phosphoinositide-3-kinase regulatory subunit 5 [Source:HGNC Symbol;Acc:HGNC:30035]
PRPF3	mRNA	GSE93070		1833 Biological interesting molecule	ENSG00000117360		1	150321476	150353195	1 pre-mRNA processing factor 3 [Source:HGNC Symbol;Acc:HGNC:17348]
PSMD2	mRNA	GSE93070		1833 Potential biomarker	ENSG00000175166		3	184298709	184309054	1 proteasome 26S subunit, non-ATPase 2 [Source:HGNC Symbol;Acc:HGNC:9559]
SNRPA1	mRNA	GSE93070		1833 Biological interesting molecule	ENSG00000131876		15	101281510	101295282	-1 small nuclear ribonucleoprotein polypeptide A' [Source:HGNC Symbol;Acc:HGNC:11152]
RPS10	mRNA	GSE93070		1833 Biological interesting molecule	ENSG00000124614		6	34417454	34426125	-1 ribosomal protein S10 [Source:HGNC Symbol;Acc:HGNC:10383]
ADRA1B	mRNA	GSE93070		1833 Biological interesting molecule	ENSG00000170214		5	159865080	159972544	1 adrenoceptor alpha 1B [Source:HGNC Symbol;Acc:HGNC:278]
TRIOBP	mRNA	GSE93070		1833 Biological interesting molecule	ENSG00000100106		22	37696988	37776556	1 TRIO and F-actin binding protein [Source:HGNC Symbol;Acc:HGNC:17009]
RPL26L1	mRNA	GSE93070		1833 Biological interesting molecule	ENSG00000037241		5	172958729	172969771	1 ribosomal protein L26 like 1 [Source:HGNC Symbol;Acc:HGNC:17050]
FAM162A	mRNA	GSE93070		1833 Biological interesting molecule	ENSG00000114023		3	122384176	122412334	1 family with sequence similarity 162 member A [Source:HGNC Symbol;Acc:HGNC:17865]
SF3A2	mRNA	GSE93070		1833 Biological interesting molecule	ENSG00000104897		19	2236504	2248679	1 splicing factor 3a subunit 2 [Source:HGNC Symbol;Acc:HGNC:10766]
HER2	mRNA	pubmed	MCF7, MDA-MB-231	Potential biomarker	ENSG00000141736		17	39687914	39730426	1 erb-b2 receptor tyrosine kinase 2 [Source:HGNC Symbol;Acc:HGNC:3430]
CDS2	mRNA	pubmed		Potential biomarker	ENSG00000085117		11	44564427	44620358	1 CDS2 molecule [Source:HGNC Symbol;Acc:HGNC:6210]
CD24	mRNA	pubmed		Potential biomarker	ENSG00000272398		6	106969831	106975627	-1 CD24 molecule [Source:HGNC Symbol;Acc:HGNC:1645]
De1-1	mRNA	pubmed		Potential biomarker	ENSG00000164176		5	83940554	84384793	-1 EGF like repeats and discoidin domains 3 [Source:HGNC Symbol;Acc:HGNC:3173]
Dicer	mRNA	pubmed	MCF7, 4T1, MDA-MB-231	Biological interesting molecule	ENSG00000100697		14	95086228	95158010	-1 dicer 1, ribonuclease III [Source:HGNC Symbol;Acc:HGNC:17098]
POSTN	mRNA	pubmed	MCF7, MDA-MB-231	Potential biomarker	ENSG00000133110		13	37562583	37598844	-1 periostin [Source:HGNC Symbol;Acc:HGNC:16953]
GFGR3	mRNA	pubmed	4T1	Biological interesting molecule	ENSG00000068078		4	1793293	1808872	1 fibroblast growth factor receptor 3 [Source:HGNC Symbol;Acc:HGNC:3690]
FIBP	mRNA	pubmed	4T1	Biological interesting molecule	ENSG00000172500		11	65883741	65888539	-1 FGF1 intracellular binding protein [Source:HGNC Symbol;Acc:HGNC:3705]
FRS2	mRNA	pubmed	4T1	Biological interesting molecule	ENSG00000166225		12	69470349	69579789	1 fibroblast growth factor receptor substrate 2 [Source:HGNC Symbol;Acc:HGNC:16971]
FTH1	mRNA	pubmed	MDA-MB-436, MDA-MB-231	Biological interesting molecule	ENSG00000167996		11	61959718	61967660	-1 ferritin heavy chain 1 [Source:HGNC Symbol;Acc:HGNC:3976]
FTL	mRNA	pubmed	MDA-MB-436, MDA-MB-231	Biological interesting molecule	ENSG00000087086		19	48965301	48966878	1 ferritin light chain [Source:HGNC Symbol;Acc:HGNC:3999]
GSTP1	mRNA	pubmed	MCF7	Biological interesting molecule	ENSG00000084207		11	67583595	67586656	1 glutathione S-transferase pi 1 [Source:HGNC Symbol;Acc:HGNC:4638]
HOXC6	mRNA	pubmed	MDA-MB-231, T47D	Biological interesting molecule	ENSG00000197757		12	53990624	54030823	1 homeobox C6 [Source:HGNC Symbol;Acc:HGNC:5128]
HTR7	mRNA	pubmed	MDA-MB-231, T47D	Biological interesting molecule	ENSG00000148680		10	90740823	90857698	-1 5-hydroxytryptamine receptor 7 [Source:HGNC Symbol;Acc:HGNC:5302]
IGF1R	mRNA	pubmed	4T1	Biological interesting molecule	ENSG00000140443		15	98648971	98964530	1 insulin like growth factor 1 receptor [Source:HGNC Symbol;Acc:HGNC:5465]
IL1RAP	mRNA	pubmed	4T1	Biological interesting molecule	ENSG00000196083		3	190514051	190659750	1 interleukin 1 receptor accessory protein [Source:HGNC Symbol;Acc:HGNC:5995]
ITGB1	mRNA	pubmed	4T1	Biological interesting molecule	ENSG00000150093		10	32900319	33005792	-1 integrin subunit beta 1 [Source:HGNC Symbol;Acc:HGNC:6153]
KISS1R	mRNA	pubmed	MDA-MB-231, T47D	Biological interesting molecule	ENSG00000116014		19	917287	921015	1 KISS1 receptor [Source:HGNC Symbol;Acc:HGNC:4510]
KRT14	mRNA	pubmed	4T1	Biological interesting molecule	ENSG00000186847		17	41582279	41586921	-1 keratin 14 [Source:HGNC Symbol;Acc:HGNC:6416]
LDHA	mRNA	pubmed	4T1	Biological interesting molecule	ENSG00000134333		11	18394388	18408425	1 lactate dehydrogenase A [Source:HGNC Symbol;Acc:HGNC:6535]
MDH	mRNA	pubmed	4T1	Biological interesting molecule	ENSG00000147649		8	97644179	97728770	1 metadherin [Source:HGNC Symbol;Acc:HGNC:29608]
NANOG	mRNA	pubmed	MDA-MB-231, T47D	Biological interesting molecule	ENSG00000111704		12	7787794	7799141	1 Nanog homeobox [Source:HGNC Symbol;Acc:HGNC:20857]
NEUROD1	mRNA	pubmed	MDA-MB-231, T47D	Biological interesting molecule	ENSG00000162992		2	181673088	181680876	-1 neuronal differentiation 1 [Source:HGNC Symbol;Acc:HGNC:7762]
Plau	mRNA	pubmed	4T1	Biological interesting molecule	ENSG00000122861		10	73909177	73917497	1 plasminogen activator, urokinase [Source:HGNC Symbol;Acc:HGNC:9052]
RAB13	mRNA	pubmed	MDA-MB-436, MDA-MB-231	Biological interesting molecule	ENSG00000143545		1	153981617	153986358	-1 RAB13, member RAS oncogene family [Source:HGNC Symbol;Acc:HGNC:9762]
RPL28	mRNA	pubmed	MDA-MB-436, MDA-MB-231	Biological interesting molecule	ENSG00000108107		19	55385345	55403250	1 ribosomal protein L28 [Source:HGNC Symbol;Acc:HGNC:10330]
S1PR2	mRNA	pubmed	MDA-MB-231	Biological interesting molecule	ENSG00000267534		19	10221433	10231331	-1 sphingosine-1-phosphate receptor 2 [Source:HGNC Symbol;Acc:HGNC:3169]
TGFR1	mRNA	pubmed	4T1	Biological interesting molecule	ENSG00000106799		9	99104038	99154192	1 transforming growth factor beta receptor 1 [Source:HGNC Symbol;Acc:HGNC:11772]
TRPC5	mRNA	pubmed		Potential biomarker	ENSG00000072315	X		111774315	112082776	-1 transient receptor potential cation channel subfamily C member 5 [Source:HGNC Symbol;Acc:HGNC:12594]
TSG101	mRNA	pubmed	BT474	Biological interesting molecule	ENSG00000074319		11	18468336	18527232	-1 tumor susceptibility 101 [Source:HGNC Symbol;Acc:HGNC:15971]
UCLH1	mRNA	pubmed	MCF7	Biological interesting molecule	ENSG00000154277		4	41256413	41268455	1 ubiquitin C-terminal hydrolase L1 [Source:HGNC Symbol;Acc:HGNC:12513]
ADAM10	mRNA	pubmed		Biological interesting molecule	ENSG00000137845		15	58588809	58749791	-1 ADAM metalloproteinase domain 10 [Source:HGNC Symbol;Acc:HGNC:188]
CYP19A1	mRNA	GSE93070		1833 Biological interesting molecule	ENSG00000137869		15	51208057	51338610	-1 cytochrome P450 family 19 subfamily A member 1 [Source:HGNC Symbol;Acc:HGNC:2594]
CTSB	mRNA	GSE93070		1833 Biological interesting molecule	ENSG00000164733		8	11842524	11869448	-1 cathepsin B [Source:HGNC Symbol;Acc:HGNC:2527]
ELK1	mRNA	GSE93070		1833 Biological interesting molecule	ENSG00000126767	X		47635521	47650604	-1 ELK1, ETS transcription factor [Source:HGNC Symbol;Acc:HGNC:3321]
PIGR	mRNA	GSE93070		1833 Biological interesting molecule	ENSG00000162896		1	206928518	206946466	-1 polymeric immunoglobulin receptor [Source:HGNC Symbol;Acc:HGNC:8968]
FGF9	mRNA	GSE93070		1833 Biological interesting molecule	ENSG00000102678		13	21671383	21704498	1 fibroblast growth factor 9 [Source:HGNC Symbol;Acc:HGNC:3687]
DUSP1	mRNA	GSE93070		1833 Biological interesting molecule	ENSG00000120129		5	172768090	172771195	-1 dual specificity phosphatase 1 [Source:HGNC Symbol;Acc:HGNC:3064]
MRPS30	mRNA	GSE93070		1833 Biological interesting molecule	ENSG00000112996		5	44808925	44820428	1 mitochondrial ribosomal protein S30 [Source:HGNC Symbol;Acc:HGNC:8769]
DMRT1	mRNA									