

**Supplementary Table 1. Genes with copy number alterations observed in *BLG-Aurora-A* mouse mammary tumors.**

Genomic DNAs from tumors were analyzed by CGH array in duplicate (annoated as A, B with sample ID). Copy numbers of respective genes: 3-5, copy gained; 0-1, copy lost.

**A) Genes gained in 2 out of 3 *BLG-Aurora-A* mouse mammary tumors**

Symbol	GenBank	Chromosome	Tumor 1A	Tumor 1B	Tumor 2A	Tumor 2B	Tumor 3A	Tumor 3B
<i>Adam6a</i>	NM_174885	12	4	4	5	5	5	3
<i>1700097N02Rik</i>	NR_045287	17	2	2	5	5	4	4
<i>Btbd9</i>	NM_172618	17	2	2	5	5	4	4
<i>Dnahc8</i>	NM_013811	17	2	2	5	5	4	4
<i>Glo1</i>	NM_001113560	17	2	2	5	5	4	4
<i>Glp1r</i>	NM_021332	17	2	2	5	5	4	4
<i>Ddx39b</i>	NM_019693	17	2	4	5	5	4	4
<i>H2-D1</i>	NM_010380	17	2	4	5	5	4	4
<i>LOC547349</i>	NM_001025208	17	2	4	5	5	4	4
<i>Dcc</i>	NM_007831	18	3	3	3	3	2	2

**B) Genes lost in 2 out of 3 *BLG-Aurora-A* mouse mammary tumors**

Symbol	GenBank	Chromosome	Tumor 1A	Tumor 1B	Tumor 2A	Tumor 2B	Tumor 3A	Tumor 3B
<i>4832428D23Rik</i>	NM_207281	1	0	2	2	2	0	1
<i>Erc5</i>	NM_011729	1	0	2	2	2	0	1
<i>Chi3l3</i>	NM_009892	3	0	0	0	0	2	2
<i>Chi3l4</i>	NM_145126	3	0	0	0	0	2	2
<i>Alg14</i>	NM_024178	3	1	2	0	0	2	2
<i>Tmem56</i>	NM_178936	3	1	2	0	0	2	2
<i>Synpo2</i>	NM_080451	3	1	2	2	0	1	2
<i>Txk</i>	NM_001122754	5	2	1	0	0	2	2
<i>2700023E23Rik</i>	NR_015531	5	2	1	1	1	2	2
<i>Snora26</i>	NR_031758	5	2	1	1	1	2	2
<i>Usp46</i>	NM_177561	5	2	1	1	1	2	2
<i>Piwil1</i>	NM_021311	5	1	1	0	0	1	1
<i>Rimbp2</i>	NM_001081388	5	1	0	0	0	1	1
<i>Klra12</i>	NM_010646	6	0	0	2	2	0	0
<i>Klra14</i>	NM_001252149	6	0	0	2	2	0	0
<i>Klra15</i>	NM_013793	6	0	0	2	2	0	0

<i>Klra18</i>	NM_053153	6	0	0	2	2	0	0
<i>Klra19</i>	NM_053154	6	0	0	2	2	0	0
<i>Klra21</i>	NM_053151	6	0	0	2	2	0	0
<i>Klra22</i>	NM_053152	6	0	0	2	2	0	0
<i>Klra33</i>	NM_001039118	6	0	0	2	2	0	0
<i>Klra4</i>	NM_001252577	6	0	0	2	2	0	0
<i>Klra6</i>	NM_008464	6	0	0	2	2	0	0
<i>Klra7</i>	NM_001110323	6	0	0	2	2	0	0
<i>Klra8</i>	NM_001101620	6	0	0	2	2	0	0
<i>Klra9</i>	NM_010651	6	0	0	2	2	0	0
<i>Ifitd1</i>	NM_028742	6	2	2	1	2	1	1
<i>Tuba3b</i>	NM_009449	6	2	2	1	2	1	1
<i>Vmn2r58</i>	NM_001105055	7	2	2	0	0	0	2
<i>Vmn2r-ps54</i>	NR_004441	7	2	2	0	0	0	2
<i>Fli1</i>	NM_008026	9	2	1	2	1	1	2
<i>3110003A17Rik</i>	NM_028440	10	2	0	2	2	0	0
<i>Nlrp1b</i>	NM_001040696	11	0	0	0	0	2	2
<i>Nlrp1c-ps</i>	NR_027858	11	0	0	0	0	2	2
<i>Serpina1a</i>	NM_001252569	12	1	0	2	2	0	0
<i>Serpina1c</i>	NM_009245	12	1	0	2	2	0	0
<i>Serpina1e</i>	NM_009247	12	1	0	2	2	0	0
<i>Serpina11</i>	NM_001166350	12	1	0	2	2	1	0
<i>Serpina9</i>	NM_027997	12	1	0	2	2	1	0
<i>4933413L06Rik</i>	NR_045508	13	1	1	2	2	2	1
<i>Hcn1</i>	NM_010408	13	1	1	2	2	2	1
<i>4930503E14Rik</i>	NM_029131	14	0	0	0	0	0	0
<i>Ang6</i>	NM_001011876	14	0	0	0	0	0	0
<i>BC061237</i>	NM_198677	14	0	0	0	0	0	0
<i>Ear12</i>	NM_001012766	14	0	0	0	0	0	0
<i>Ear2</i>	NM_007895	14	0	0	0	0	0	0
<i>Ear3</i>	NM_017388	14	0	0	0	0	0	0
<i>Gm8267</i>	NM_001162954	14	0	0	0	0	0	0
<i>Mettl17</i>	NM_001029990	14	2	2	1	1	1	2
<i>Ndrp2</i>	NM_001145959	14	2	2	1	1	1	2

<i>Rnase13</i>	NM_001011687	14	2	2	1	1	1	2
<i>Slc39a2</i>	NM_001039676	14	2	2	1	1	1	2
<i>Tppp2</i>	NM_001128634	14	2	2	1	1	1	2
<i>Chd8</i>	NM_201637	14	2	1	1	1	0	2
<i>Entpd4</i>	NM_026174	14	0	0	0	0	1	2
<i>Gm16677</i>	NR_045091	14	0	0	0	0	1	2
<i>Loxl2</i>	NM_033325	14	0	0	0	0	1	2
<i>Slc25a37</i>	NM_026331	14	0	0	0	0	1	2
<i>Synb</i>	NM_173420	14	0	0	0	0	1	2
<i>1190002H23Rik</i>	NM_025427	14	2	2	0	0	1	2
<i>Zfp957</i>	NM_001033215	14	2	2	0	0	1	2
<i>Mcc</i>	NM_001085374	18	2	2	0	0	0	0
<i>Lrp5</i>	NM_008513	19	1	2	1	1	2	2
<i>Gm960</i>	NM_001033447	19	2	2	1	1	0	0
<i>Lrfn4</i>	NM_153388	19	2	2	1	1	0	0
<i>Pcx</i>	NM_001162946	19	2	2	1	1	0	0
<i>Rce1</i>	NM_023131	19	2	2	1	1	0	0
<i>Syt7</i>	NM_173068	19	1	1	1	1	2	1
<i>Lrrc10b</i>	NM_001111140	19	1	1	1	1	2	1
<i>Ppp1r32</i>	NM_133689	19	1	1	1	1	2	1
<i>A330040F15Rik</i>	NR_015503	19	1	1	1	1	2	2
<i>Cntf</i>	NM_170786	19	1	1	1	1	2	2
<i>Dtx4</i>	NM_172442	19	1	1	1	1	2	2
<i>Fam111a</i>	NM_026640	19	1	1	1	1	2	2
<i>Glyat</i>	NM_145935	19	1	1	1	1	2	2
<i>Gm4952</i>	NM_001167907	19	1	1	1	1	2	2
<i>Gm5512</i>	NR_002891	19	1	1	1	1	2	2
<i>Keg1</i>	NM_029550	19	1	1	1	1	2	2
<i>Lpxn</i>	NM_134152	19	1	1	1	1	2	2
<i>Mpeg1</i>	NM_010821	19	1	1	1	1	2	2
<i>Olf1r1442</i>	NM_146697	19	1	1	1	1	2	2
<i>Olf1r1443</i>	NM_146698	19	1	1	1	1	2	2
<i>Olf1r1444</i>	NM_146702	19	1	1	1	1	2	2
<i>Olf1r1445</i>	NM_146699	19	1	1	1	1	2	2

<i>Olf1446</i>	NM_146704	19	1	1	1	1	2	2
<i>Olf1447</i>	NM_146703	19	1	1	1	1	2	2
<i>Olf1448</i>	NM_146701	19	1	1	1	1	2	2
<i>Olf1449</i>	NM_146303	19	1	1	1	1	2	2
<i>Olf1450</i>	NM_146371	19	1	1	1	1	2	2
<i>Olf1451</i>	NM_146705	19	1	1	1	1	2	2
<i>Olf1453</i>	NM_146700	19	1	1	1	1	2	2
<i>Olf1454</i>	NM_146692	19	1	1	1	1	2	2
<i>Olf1457</i>	NM_146575	19	1	1	1	1	2	2
<i>Olf1459</i>	NM_146689	19	1	1	1	1	2	2
<i>Olf1461</i>	NM_146302	19	1	1	1	1	2	2
<i>Olf1462</i>	NM_146693	19	1	1	1	1	2	2
<i>Olf1463</i>	NM_001011840	19	1	1	1	1	2	2
<i>Olf1465</i>	NM_001011841	19	1	1	1	1	2	2
<i>Olf1466</i>	NM_146694	19	1	1	1	1	2	2
<i>Olf1467</i>	NM_146691	19	1	1	1	1	2	2
<i>Olf1469</i>	NM_146695	19	1	1	1	1	2	2
<i>Olf1471</i>	NM_207132	19	1	1	1	1	2	2
<i>Olf1472</i>	NM_146690	19	1	1	1	1	2	2
<i>Olf1474</i>	NM_001011842	19	1	1	1	1	2	2
<i>Olf1475</i>	NM_146301	19	1	1	1	1	2	2
<i>Olf1477</i>	NM_146696	19	1	1	1	1	2	2
<i>Olf1480</i>	NM_207575	19	1	1	1	1	2	2
<i>Olf1484</i>	NM_146291	19	1	1	1	1	2	2
<i>Olf1487</i>	NM_146636	19	1	1	1	1	2	2
<i>Olf1489</i>	NM_146635	19	1	1	1	1	2	2
<i>U05342</i>	NR_024093	19	1	1	1	1	2	2
<i>Zfp91</i>	NM_053009	19	1	1	1	1	2	2
<i>Gcnt1</i>	NM_010265	19	2	2	0	0	1	1
<i>Pcsk5</i>	NM_001190483	19	2	2	0	0	1	1
<i>Prune2</i>	NM_181348	19	2	2	0	0	1	1
<i>Rfk</i>	NM_019437	19	2	2	0	0	1	1
<i>Pcsk5</i>	NM_001190483	19	2	2	0	0	2	1
<i>2700046G09Rik</i>	NR_033198	19	1	1	1	1	2	2

<i>Minpp1</i>	NM_010799	19	1	1	1	1	2	2
<i>Sgms1</i>	NM_144792	19	1	1	1	1	2	2
<i>Atad1</i>	NM_026487	19	0	0	1	1	2	2
<i>Papss2</i>	NM_011864	19	0	0	1	1	2	2
<i>Pten</i>	NM_008960	19	1	1	1	1	2	2
<i>Rnls</i>	NM_001167818	19	1	1	1	1	2	2
<i>4930552P12Rik</i>	NR_045318	19	1	1	1	1	2	2
<i>Acsl5</i>	NM_027976	19	1	1	1	1	2	2
<i>Gucy2g</i>	NM_001081076	19	1	1	1	1	2	2
<i>Tcf7l2</i>	NM_001142923	19	1	1	1	1	2	2
<i>Tectb</i>	NM_009348	19	1	1	1	1	2	2
<i>Vti1a</i>	NM_016862	19	1	1	1	1	2	2
<i>Zdhhc6</i>	NM_001033573	19	1	1	1	1	2	2

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