Supplementary Information, Table S5.
All identified microRNA, in four experiments, from the mast cells derived (MC/9) exosomes.
In each experiment double samples of exosomal microRNA were labelled with Hy3 and those from their donor cells were labelled with Hy5. Each signal were normalised against the background (background subtraction) and with global Lowess regression algorithm, scatterplot smoothing to minimize the differences between the colours intensity dependent manner. NA means that the signal detected was equal or below the background in two or more of the replicated measurements. Spots with NA signal in both the experiments (one and two) were removed. Median data for Hy3 and Hy5 is the normalised and averaged values from the replicated measurements (referred to http://www.exiqon.com or www.exiqon.com/uploads/microRNA_profiling_servicesV1.0(3).pdf) on the same slide and two experiments. CV-values are calculated from 4 replicate spots and paired in two data sets (intra-array CV).

		Experiment 1				Experiment 2				Experiment 3			
GeneId	**Annotation**	**LogMedian Ratios Hy3/Hy5**	**Median Hy3**	**Median Hy5**	**CV**	**LogMedian Ratios Hy3/Hy5**	**Median Hy3**	**Median Hy5**	**CV**	**LogMedian Ratios Hy3/Hy5**	**Median Hy3**	**Median Hy5**	**CV**
11115	No_known_mmu_target	7.6	14964.5	80.6	15.4	6.5	17847.3	191.4	13.9	6.5	23606.6	244.8	8.3
11248	mmu-miR-451	6.9	8665.3	71.4	23.7	5.1	10177.4	298.8	12.9	5.4	12844.3	331.1	12.8
10924	mmu-miR-10a	-0.2	353.3	380.7	7.8	3.2	4985.6	535.7	11.4	2.9	5704.8	855.0	13.7
8538	mmu-miR-450	2.7	892.5	138.2	5.3	2.9	2380.2	329.5	17.4	2.9	3206.9	396.4	18.2
11131	No_known_mmu_target	2.8	750.2	118.2	7.0	2.8	1962.4	303.4	18.8	2.9	2842.2	389.9	6.7
10958	mmu-miR-150	2.0	877.2	205.3	18.5	2.8	2722.3	397.5	6.0	2.8	3384.6	503.2	9.6
13180	No_known_mmu_target	1.3	1649.6	667.0	27.9	2.7	3586.0	558.2	7.7	2.5	3672.2	623.3	8.2
10907	labelling_control	1.8	1163.2	355.3	22.4	2.0	8648.1	2017.6	12.8	2.2	7696.9	1625.8	7.6
14264	spike_control-08	2.3	2690.9	528.4	10.5	1.8	6362.3	1933.5	12.4	2.1	6750.5	1548.4	8.3
10905	spike_control-	1.5	994.1	384.7	28.	1.8	6903.7	1951.8	10.	2.1	6474.0	1478.8	7.4

	18				6				5				
11035	mmu-miR-296	1.0	4197.2	2047.3	18.4	1.8	4341.3	1271.0	7.0	1.9	5441.3	1450.2	8.9
11229	mmu-miR-341	0.2	5198.3	4460.3	22.8	1.3	4347.5	1772.4	43.4	1.1	5288.3	2300.2	8.9
10965	mmu-miR-15a	-0.2	628.4	871.1	30.3	0.6	2386.9	1381.1	36.0	1.1	2584.4	1250.1	13.7
10966	mmu-miR-15b	-0.2	1438.9	1636.0	16.9	0.6	4795.9	3144.2	7.3	0.7	6469.4	3922.6	7.7
11028	mmu-miR-24	-0.5	3113.4	4450.1	17.3	0.6	4265.6	2789.0	25.2	0.4	5445.0	4223.1	9.3
10904	spike_control-17	2.7	8169.8	1233.8	12.1	0.6	20677.9	13301.6	16.7	1.2	22025.4	9551.8	9.0
10999	mmu-miR-20a	-0.6	347.2	558.2	27.2	0.5	1818.8	1345.4	6.6	0.1	1899.8	1680.4	17.5
10899	spike_control-12	1.8	18701.0	5564.0	15.4	0.5	70227.5	49706.8	3.1	0.7	69723.9	43826.6	5.4
14257	spike_control-01	0.8	15030.2	8429.0	18.7	0.5	69119.6	49758.0	3.8	0.7	74283.9	46586.5	6.2
10915	mmu-let-7i	-1.3	1375.8	3361.0	11.4	0.4	4708.7	3486.1	32.7	-0.2	5616.8	6635.5	8.6
11023	mmu-miR-222	0.1	873.5	818.1	15.8	0.4	1707.8	1317.7	11.8	0.4	1936.8	1316.4	10.2
11008	mmu-miR-20a	-1.1	425.1	882.9	10.6	0.3	1832.9	1458.0	16.4	0.0	1780.8	1928.9	15.7
11056	mmu-miR-324-3p	-0.1	3387.4	3663.3	16.4	0.3	1937.0	1642.3	11.3	0.3	2682.5	2200.4	19.2
11026	mmu-miR-23a	-0.1	3075.4	3377.6	17.4	0.3	5154.6	3657.2	22.3	0.1	6123.3	5595.6	3.7
5740	mmu-miR-21	-0.9	3291.4	6251.2	15.4	0.3	4108.8	3396.4	20.0	0.0	6002.0	5933.8	3.0
10978	mmu-miR-184	-0.1	5987.1	6654.6	16.1	0.2	1896.9	2168.6	52.0	0.5	2404.3	1718.7	23.7
10936	mmu-miR-130b	0.1	5417.1	4635.8	27.5	0.2	2395.9	2012.5	12.4	0.3	2879.4	2231.5	24.2
11132	mmu-miR-500	-0.4	4737.3	6431.3	15.	0.1	1575.2	1469.8	6.4	-0.1	2424.3	2584.0	9.6

					7								
11039	mmu-miR-29a	-0.7	1876.7	3132.8	11.9	0.1	4419.9	4226.0	33.4	-0.6	3269.6	4829.1	23.7
11227	mmu-miR-329	-0.8	719.5	1275.1	20.3	0.1	2042.9	1750.2	18.7	0.2	2252.4	2019.5	17.4
11145	No_known_mmu_target	0.3	6645.8	5444.7	19.2	0.1	3860.8	3745.3	29.6	0.1	5441.2	4019.8	38.3
11030	mmu-miR-26a	0.1	2135.2	1987.3	12.6	0.0	2284.2	2293.8	26.7	0.5	5128.5	3633.4	20.9
11050	mmu-miR-30c	-1.2	375.1	722.6	15.5	0.0	1535.3	1417.3	7.9	0.0	1928.2	1912.6	11.4
11130	No_known_mmu_target	0.6	19576.8	12511.4	16.4	0.0	34792.2	34478.3	8.6	0.4	47896.5	36336.7	1.1
11059	mmu-miR-326	0.4	1117.1	868.9	16.0	0.0	1725.4	1770.4	9.1	0.0	1621.7	1551.8	15.1
11245	mmu-miR-433-5p	0.6	5169.6	3497.0	26.7	0.0	1813.1	1722.5	31.3	-0.5	1612.3	2473.3	19.8
10983	mmu-miR-18	-1.4	336.1	750.0	20.7	0.0	1461.4	1506.1	18.8	-0.1	1629.7	1661.9	13.4
10912	mmu-let-7b	-0.2	1676.9	1953.3	10.1	-0.1	1493.4	1562.0	10.3	-0.4	1192.4	1519.6	16.0
10967	mmu-miR-16	-0.7	1835.4	2883.6	13.0	-0.1	3484.1	3183.3	31.9	-0.4	3387.4	4406.6	21.2
11208	mmu-miR-207	-0.5	2007.5	2808.7	21.7	-0.2	1464.8	1590.7	21.1	-0.4	1342.6	1718.2	47.8
13141	No_known_mmu_target	-1.5	256.2	713.4	32.4	-0.2	1369.4	1535.0	15.2	-0.3	1311.2	1646.4	6.5
10934	mmu-miR-129-5p	0.7	7995.3	4756.6	23.3	-0.2	6570.1	7222.0	9.3	-0.1	8559.7	8958.6	42.0
13132	No_known_mmu_target	0.2	4491.1	3793.0	17.5	-0.2	1742.5	2008.8	24.9	-0.1	2074.1	2303.5	6.6
10306	mmu-miR-146b	-0.3	480.0	549.8	31.7	-0.2	1430.7	1648.1	22.5	-0.4	1611.1	2173.3	16.1
13173	mmu-miR-17-5p	-0.9	787.1	1327.8	39.6	-0.2	1749.8	2013.2	15.2	0.0	2468.1	2494.4	39.6
11216	mmu-miR-292-	1.0	32880.7	15873.7	17.	-0.2	39332.7	44156.2	5.6	0.3	52620.2	42466.7	3.6

	5p				7								
10948	mmu-miR-142-5p	-2.6	1288.0	7614.8	11.5	-0.2	1811.2	2224.1	5.4	-0.1	2815.6	3150.7	22.6
11086	No_known_mmu_target	1.0	24964.7	12130.4	20.9	-0.3	33856.9	40508.1	8.5	0.3	46818.7	38720.9	2.3
13137	No_known_mmu_target	0.5	1867.4	1323.9	28.6	-0.3	1482.8	1626.3	43.5	0.0	1513.1	1544.1	16.0
10977	mmu-miR-183	-0.3	1100.9	1383.6	18.0	-0.3	2138.2	2776.2	14.0	-0.2	2915.5	3397.6	10.1
10985	mmu-miR-191	-0.6	441.6	650.1	18.0	-0.3	1426.6	1765.4	15.5	-0.3	1610.3	1907.8	23.1
13147	mmu-miR-96	-1.3	606.5	1403.1	19.1	-0.3	1206.8	1516.1	30.9	-0.4	1934.3	2620.3	47.5
11193	No_known_mmu_target	0.0	4523.7	4482.7	12.3	-0.4	1610.1	2067.2	29.4	-0.9	1955.3	3133.1	22.0
10922	mmu-miR-106b	-0.8	1162.2	1950.4	25.0	-0.4	1899.6	2620.4	14.3	-0.6	1778.3	2772.7	13.9
10921	No_known_mmu_target	-0.7	701.3	999.6	18.6	-0.4	1276.6	1652.0	32.6	0.1	2002.9	1861.1	14.1
11214	mmu-miR-291a-5p-291b-5p	-0.1	4962.1	5030.2	14.4	-0.4	1378.9	1780.7	11.6	-0.9	1901.2	3421.3	23.9
10913	mmu-let-7c	0.0	1291.4	1245.4	15.7	-0.4	1201.9	1582.3	13.1	-0.3	1150.5	1422.8	16.5
10923	mmu-miR-107	-0.5	1692.0	2266.9	11.5	-0.4	1915.3	2475.3	7.6	-0.4	2168.0	2788.7	12.8
11177	No_known_mmu_target	0.1	5750.4	5260.9	18.2	-0.4	1539.7	2002.4	25.6	-0.7	1453.2	2210.5	12.5
14265	control-09	0.1	5575.2	5093.6	19.0	-0.5	2977.2	4275.6	6.0	-0.4	5871.6	7874.9	2.8
11212	mmu-miR-290	0.2	21169.8	18448.0	20.2	-0.5	26494.8	37197.5	12.9	0.1	37436.5	36230.3	3.0
11235	mmu-miR-351	0.0	3218.3	3438.0	5.9	-0.5	1851.3	2673.5	15.0	-0.2	2790.3	3221.2	10.7
11124	No_known_mmu_target	-0.1	7029.5	7324.7	17.6	-0.5	5195.4	7667.9	13.0	-0.8	6695.7	11701.9	19.5

14269	No_known_mmu_target	-0.7	2168.3	3430.4	8.6	-0.6	1031.1	1516.8	24.2	-1.2	794.4	1800.7	32.6
11201	mmu-miR-140*	0.1	612.0	518.9	26.5	-0.6	1187.0	1740.2	30.3	-1.0	892.8	1721.6	22.6
11204	mmu-miR-17-3p	-0.3	5965.2	7278.7	22.8	-0.6	1659.3	2498.8	33.1	0.0	2425.9	2475.5	32.3
13129	No_known_mmu_target	-0.3	352.7	425.7	14.6	-0.6	2599.0	4010.7	4.6	0.1	2743.2	2488.6	7.1
10975	mmu-miR-182	-1.0	953.6	1804.2	13.9	-0.6	2840.6	3992.7	8.7	-0.3	4860.9	5928.2	18.3
11142	No_known_mmu_target	0.1	4979.1	4797.0	15.5	-0.6	2368.2	3810.8	11.7	-0.7	3235.2	4709.0	22.5
11175	No_known_mmu_target	-0.1	3228.2	3154.0	17.6	-0.7	1300.2	2097.1	13.2	-0.5	1674.7	2363.8	17.2
6500	mmu-let-7f	-1.8	1933.6	6562.8	32.2	-0.7	2823.3	4625.0	9.2	-1.0	3565.0	7265.9	13.2
14316	No_known_mmu_target	-0.5	4492.9	6448.9	16.8	-0.7	1707.3	2787.2	27.3	-1.1	1411.4	3030.6	35.0
11176	No_known_mmu_target	0.0	2651.0	2624.3	10.1	-0.7	954.5	1525.8	26.5	-0.4	1250.7	1610.2	15.2
10586	No_known_mmu_target	0.0	2805.1	2926.2	15.1	-0.7	1643.4	2680.4	8.6	-0.9	1526.1	2724.6	24.1
13175	mmu-miR-27b	0.1	1753.9	1583.3	7.8	-0.7	972.8	1616.3	8.5	-0.4	1484.0	1810.7	12.7
11258	No_known_mmu_target	-0.3	2198.0	2452.9	10.2	-0.8	963.8	1632.5	28.7	-1.0	908.0	1734.1	32.6
10898	control-11	0.4	11637.6	8019.7	35.7	-0.8	903.3	1549.5	9.8	-1.0	1264.0	2574.5	26.9
11254	mmu-miR-468	-0.8	280.7	507.2	18.2	-0.8	1178.9	2085.3	16.7	-0.8	1271.7	2242.5	30.9
13169	mmu-let-7d*	-1.3	322.5	801.4	30.4	-0.8	902.5	1525.2	28.2	-0.9	962.4	1784.6	29.0
11221	mmu-miR-300	-0.5	5010.6	7208.5	15.5	-0.8	933.2	1580.1	6.7	-1.3	1487.8	4171.9	12.1
11027	mmu-miR-23b	-0.4	2413.3	3249.2	9.1	-0.9	2481.4	4494.6	13.7	-0.6	3285.9	5402.1	10.2

11071	No_known_mmu_target	-0.4	3496.4	4062.0	12.0	-0.9	1485.4	2452.8	16.6	-0.7	1570.0	2473.2	4.7
10993	No_known_mmu_target	-0.1	5903.4	6530.8	29.6	-0.9	3581.7	7171.2	33.6	-0.9	4937.6	8519.3	18.3
11256	mmu-miR-470	0.0	4698.6	4590.8	9.1	-0.9	1354.3	2322.9	23.0	-0.9	2261.7	4105.5	13.4
11082	mmu-miR-370	-0.2	4015.5	4717.8	14.9	-0.9	1664.2	3032.0	9.4	-1.2	1895.3	4338.6	15.0
11151	No_known_mmu_target	0.0	3407.3	3372.0	21.3	-0.9	893.0	1649.2	17.9	-0.6	1054.8	1661.2	12.7
11259	No_known_mmu_target	-0.1	3829.1	4175.7	18.9	-0.9	1153.6	2170.5	19.7	-0.8	1275.3	2387.9	14.1
14291	mmu-miR-542-5p	0.0	5089.0	5150.2	14.4	-1.0	1756.0	3489.5	11.4	-1.2	3123.8	7239.9	2.7
11270	No_known_mmu_target	-0.1	2316.4	2568.3	12.0	-1.1	1785.3	3787.4	11.9	-1.0	2522.8	4920.0	12.7
3320	mmu-let-7a	-0.9	1730.9	3428.1	11.6	-1.1	3054.4	6796.7	7.4	-0.2	3369.3	3583.3	24.7
14287	mmu-miR-494	-0.5	5989.8	8465.0	17.4	-1.2	5250.7	11746.8	17.3	-0.7	5998.3	9733.8	10.6
14306	mmu-miR-381	-0.1	3420.8	3779.5	15.1	-1.2	959.7	2169.6	23.7	-1.2	1235.7	2553.6	29.2
14293	mmu-miR-546	-0.1	5434.4	5746.3	17.6	-1.2	1403.7	3170.9	16.5	-1.3	2896.1	7413.9	10.4
10914	mmu-let-7d	-0.6	5319.4	8211.8	20.4	-1.2	2681.4	7145.1	28.0	-1.0	3751.9	7343.4	4.6
13131	No_known_mmu_target	0.4	6573.7	5117.7	26.1	-1.3	4681.3	11031.8	11.3	-1.1	5889.2	13289.6	13.1
14284	mmu-miR-422b	-0.2	4573.8	5346.1	11.9	-1.3	1233.6	3519.1	20.9	-1.4	2040.6	5115.8	5.7
11054	mmu-miR-320	0.9	10984.2	6048.8	26.9	-1.4	15200.5	40293.3	4.8	-1.1	16735.4	35467.5	3.3
11116	mmu-miR-452	-0.6	5332.3	7922.0	22.3	-1.6	1891.9	6130.0	17.4	-1.1	2763.9	6105.8	17.9
11264	No_known_mmu_target	0.2	9475.4	8099.2	15.9	-1.7	10324.7	33114.8	5.0	-1.1	14621.2	30573.6	4.8

11014	mmu-miR-214	-0.2	6318.1	7503.6	17.8	-1.7	2449.0	8060.8	5.7	-1.3	3341.8	8936.3	13.3
13139	mmu-let-7e	-1.5	2384.9	5670.4	41.1	-1.8	1866.1	6214.6	9.6	-0.9	2848.5	5515.8	30.0
11220	mmu-miR-298	-0.2	16076.3	19474.8	19.8	-1.8	11092.1	38931.5	1.4	-1.4	13205.8	34561.5	3.7
11003	No_known_mmu_target	0.0	7845.3	7923.7	13.0	-1.9	4221.7	15489.8	14.2	-1.8	5696.2	19488.4	9.4
5560	mmu-miR-185	0.2	6268.0	5583.7	29.1	-2.0	4048.8	16165.0	11.1	-2.0	5246.6	20921.6	5.3
11126	No_known_mmu_target	-0.6	7342.2	11003.1	11.2	-2.1	7249.2	31643.3	5.0	-1.5	8465.4	23625.9	3.3
14288	mmu-miR-503	-0.2	5050.2	5812.8	16.7	-2.2	2955.5	13506.4	17.0	-1.6	3652.6	10777.7	13.3
14267	No_known_mmu_target	-2.6	11891.2	73197.0	17.0	-2.4	6708.3	36823.1	7.0	-2.4	4988.8	27282.1	2.8
11279	U6-snRNA-2	-1.0	10483.0	19886.8	7.5	-2.5	6607.3	36565.6	3.2	-1.8	8278.5	29849.5	5.0
10947	mmu-miR-142-3p	-3.5	2695.9	29634.4	17.7	-2.6	5866.1	35893.0	4.9	-2.0	8055.2	32223.6	4.8
11135	No_known_mmu_target	-0.1	5918.4	6329.4	18.2	-2.6	3800.5	23153.5	16.6	-1.9	5075.9	18726.3	6.8
11146	No_known_mmu_target	-0.8	5701.7	9843.4	9.5	-2.7	4662.2	30840.1	6.9	-2.2	5261.7	25225.9	2.3
11278	U6-snRNA-1	-1.3	1118.6	2632.3	18.6	-2.8	1972.8	13547.7	21.1	-2.0	1663.1	6671.8	34.9