

**Table S2.** Expressed genes in each single chromosome

<b>chromosome</b>	<b>Genes numberper chromosome</b>	<b>V671expressed gene number</b>	<b>%</b>	<b>FDR</b>	<b>Mc expressed gene number</b>	<b>%</b>	<b>FDR</b>
chr1	6056	4241	0.7003	0.503857	4334	0.7157	0.4645
chr2	4766	3224	0.6765	0.503857	3266	0.6853	0.302
chr3	4197	2876	0.6853	0.6449	2932	0.6986	0.695556
chr4	4197	2794	0.6657	0.1915	2852	0.6795	0.205
chr5	4503	3254	0.7226	0.064	3298	0.7324	0.181
chr6	3293	2309	0.7012	0.569625	2349	0.7133	0.664
chr7	3147	2199	0.6988	0.641444	2233	0.7096	0.7275
chr8	3531	2486	0.704	0.503857	2552	0.7227	0.4435
chr9	3006	2007	0.6677	0.372333	2070	0.6886	0.4645
chr10	2727	1845	0.6766	0.503857	1890	0.6931	0.655143
total	39423	27235	0.6908		27776	0.7046	