

TABLE S2**Predicted genes in a significantly diverged region of the *An. gambiae* 2Ru rearrangement**

Gene ID	Description	Affy Plasmodium Anopheles probe set	Gene Start (bp)	Gene End (bp)	Number of SFPs	
					2R _{jb} cu vs 2R+	2R _{bc} cu vs 2R _{bc}
AGAP003079		Ag.2R.2722.0_CDS_at	32254248	32256017	2	0
AGAP003080			32273374	32288370	0	0
AGAP003081		Ag.2R.1721.0_CDS_at	32297951	32300052	1	0
AGAP003082		Ag.2R.3351.0_CDS_s_at	32301727	32302947	0	0
AGAP003083		Ag.2R.3351.0_CDS_s_at, Ag.2R.1722.0_CDS_at	32303704	32308399	0	0
AGAP003084		Ag.2R.1723.0_CDS_at, Ag.UNKN.568.0_CDS_s_at	32320490	32325718	0	0
<u>AGAP003085</u>		Ag.2R.1936.0_CDS_at	32329882	32331426	0	0
AGAP003086		Ag.2R.2723.0_CDS_at, Ag.2R.338.0_CDS_at	32378725	32379968	0	0
AGAP003086			32378725	32379968		
AGAP003087		Ag.2R.386.0_CDS_a_at, Ag.2R.719.0_CDS_s_at, Ag.2R.719.1_s_at	32380097	32381431	1	0
AGAP003088		Ag.2R.719.1_s_at, Ag.2R.386.0_CDS_a_at, Ag.2R.719.0_CDS_s_at	32381681	32383151	0	0
AGAP003089		Ag.2R.720.0_CDS_at	32383651	32385665	0	0
AGAP003090		Ag.2R.1114.0_CDS_a_at	32386739	32390959	0	1
<u>ENSANGEST00000008826</u>		Ag.2R.1114.1_at, Ag.2R.3684.0_at	32389514	32394038	4	4
AGAP003091		Ag.2R.1043.0_CDS_at	32394345	32395223	0	0
AGAP003092		Ag.2R.504.0_CDS_at, Ag.2R.889.0_CDS_a_at	32404897	32414429	0	0
AGAP003093		Ag.2R.504.0_CDS_at, Ag.2R.1415.0_CDS_at	32415560	32416806	0	0
AGAP003094		Ag.2R.504.0_CDS_at	32416873	32417819	1	2
AGAP003094		Ag.2R.1415.0_CDS_at	32416873	32417819		
AGAP003095	Dopachrome conversion enzyme	Ag.2R.25.1_CDS_a_at	32419121	32421544	0	0
AGAP003096		Ag.2R.989.0_CDS_at	32423179	32424670	0	0
AGAP003097		Ag.2R.989.0_CDS_at,	32425204	32426891	1	1

		Ag.2R.237.0_CDS_at				
<u>AGAP003098</u>	gustatory receptor gpr23	Ag.2R.989.0_CDS_at, Ag.2R.237.0_CDS_at	32427076	32428603	1	0
AGAP003099		Ag.2R.237.0_CDS_at, Ag.2R.844.0_CDS_at	32428675	32430131	1	1
AGAP003100	tRNA-Gly	Ag.2R.237.0_CDS_at, Ag.2R.844.0_CDS_at	32429430	32429500	0	0
AGAP003101	tRNA-Ile		32431955	32432028	0	0
AGAP003102	tRNA-Ile		32433892	32433965	0	0
AGAP003103	tRNA-Lys		32434922	32434994	0	0
AGAP003104	tRNA-Gly		32435182	32435252	0	0
AGAP003105	tRNA-Met		32435821	32435892	0	0
<u>AGAP003106</u>		Ag.2R.1724.0_CDS_at	32440110	32442980	1	0
AGAP003107	tRNA-Glu		32444715	32444786	0	0
AGAP003108		Ag.2R.1937.1_CDS_a_at	32497091	32500709	1	0

Underlined genes were re-sequenced in this study; see Table 2.