

**Table S2.** *RiPYL* gene family identified in *Rubus idaeus* genome.

Gene name	Gene accession	Scaffold	Coordinates	Strand	Gene (bp)	CDS (bp)	Protein (aa)
<i>RiPYL1</i>	Rr06488.t1	L2SC0000042	121083 - 122026	+	944	633	210
<i>RiPYL2</i>	Rr01684.t1	L3SC0000019	807468 - 806332	-	1137	573	190
<i>RiPYL3</i>	Rr026998.t1	XPSC0002114	139134 - 138300	-	950	651	216
<i>RiPYL4</i>	Rr05635.t1	L2SC0000037	359615 - 361019	+	1405	657	218
<i>RiPYL5</i>	Rr019990.t1	XFSC0000017	335895 - 336644	+	750	525	174
<i>RiPYL6</i>	Rr019991.t1	XFSC0000017	339324 - 338476	-	849	483	160
<i>RiPYL7</i>	Rr030173.t1	L3SC0000013	1287089 - 1289189	+	2101	579	192
<i>RiPYL8</i>	-	SC0000043	1170471 - 1173443	+	2973	555	184
<i>RiPYL9</i>	-	SC0000030	583417 - 582475	-	943	642	213