

Table S4 *In-silico* validation of novel transcripts generated using *de novo* and reference based assemblies and annotation

Gene id	RNA-Seq coverage	Our annotation	Special note
Bra1000030	Same	Correct	-
Bra1000066	Same	Correct	-
Bra1000106	Same	Correct	-
Bra1000128	Same	Wrong	-
Bra1000159	Same	Correct	-
Bra1000243	Same	Correct	-
Bra1000273	Same	Correct	-
Bra1000310	Same	Wrong	-
Bra1000360	Same	Correct	-
Bra1000369	Same	Correct	-
Bra1000489	Same	Wrong	-
Bra1000598	Not same	Correct	-
Bra1000632	Same	Correct	-
Bra1000652	Not same	Correct	-
Bra1000682	Same	Correct	-
Bra1000711	Same	Correct	-
Bra1000719	Same	Correct	-
Bra1000737	Same	Correct	-
Bra1000912	Same	Correct	-
Bra1001005	Not same	Probably Correct	No coverage in Chiifu
Bra1001027	Same	Correct	-
Bra1001094	Same	Correct	-
Bra1001111	Same	Correct	-
Bra1001150	Same	Correct	-
Bra1001380	Same	Wrong	-
Bra1001421	Same	Correct	-
Bra1001488	Same	Correct	-
Bra1001549	Same	Correct	-
Bra1001620	Same	Correct	-
Bra1001652	Same	Correct	-
Bra1001656	Not same	Annotation matches Chiifu	-
Bra1001755	Same	not sure	No coverage in R500 & Chiifu

Bra1001808	Same	Correct	-
Bra1001848	Same	Wrong	-
Bra1001880	Same	Correct	-
Bra1001890	Same	Correct	-
Bra1001918	Same	Correct	-
Bra1001941	Same	Wrong	-
Bra1002075	Not same	Probably Correct	No coverage in Chiifu
Bra1002133	Same	Correct	-
Bra1002196	Same	Correct	-
Bra1002282	Same	Correct	-
Bra1002286	Same	Wrong	-
Bra1002485	Same	Correct	-
Bra1002547	Same	Correct	-
Bra1002627	Same	Correct	-
Bra1002685	Probably same	Probably Correct	No coverage in Chiifu
Bra1002774	Probably same	Probably Correct	No coverage in Chiifu
Bra1003501	Same	Wrong	-
Bra1003474	Probably same	Probably Correct	No coverage in Chiifu
Bra1003432	Same	Correct	-
Bra1003361	Same	Correct	-
Bra1003495	Not same	Correct	-
Bra1003501	Same	Wrong	-
Bra1003474	Not sure	not sure	Both coverage and annotation is unsure
Bra1003432	Same	Correct	-
Bra1003436	Same	Correct	-
Bra1003361	Same	Correct	-
Bra1003282	Same	Wrong	-
Bra1003179	Same	Wrong	-
