

Supplementary Table 3. *N. risticii*-specific proteins compared to *N. helminthoeca* and *N. sennetsu* ¹

Locus_ID	Protein Name	Protein Length	Main Role	Sub Role
NRI_RS00085	hypothetical protein	83	Unknown function	General
NRI_RS00095	hypothetical protein	76	Unknown function	General
NRI_RS00240	hypothetical protein	60	Unknown function	General
NRI_RS00315	hypothetical protein	219	Unknown function	General
NRI_RS00325	hypothetical protein	62	Unknown function	General
NRI_RS00365	hypothetical protein	210	Unknown function	General
NRI_RS00370	hypothetical protein	208	Unknown function	General
NRI_RS00415	hypothetical protein	74	Unknown function	General
NRI_RS00440	hypothetical protein	111	Unknown function	General
NRI_RS00460	hypothetical protein	81	Unknown function	General
NRI_RS00485	hypothetical protein	82	Unknown function	General
NRI_RS00615	hypothetical protein	205	Unknown function	General
NRI_RS00770	hypothetical protein	76	Unknown function	General
NRI_RS01090	hypothetical protein	91	Unknown function	General
NRI_RS01340	hypothetical protein	63	Unknown function	General
NRI_RS01900	hypothetical protein	60	Unknown function	General
NRI_RS02350	hypothetical protein	104	Unknown function	General
NRI_RS02630	hypothetical protein	61	Unknown function	General
NRI_RS02740	hypothetical protein	118	Unknown function	General
NRI_RS03370	hypothetical protein	65	Unknown function	General
NRI_RS03385	hypothetical protein	60	Unknown function	General
NRI_RS03470	hypothetical protein	59	Unknown function	General
NRI_RS00320	conserved hypothetical protein	352	Hypothetical proteins	Conserved
NRI_RS00380	conserved hypothetical protein	179	Hypothetical proteins	Conserved
NRI_RS02090	conserved hypothetical protein	77	Hypothetical proteins	Conserved
NRI_RS02530	conserved hypothetical protein	310	Hypothetical proteins	Conserved
NRI_RS02730	conserved hypothetical protein	278	Hypothetical proteins	Conserved
NRI_RS03680	conserved hypothetical protein	71	Hypothetical proteins	Conserved

¹ *N. risticii*-specific proteins were identified by comparison with *N. helminthoeca* and *N. sennetsu* protein databases using BLASTP algorithm with E-value < 1e⁻¹⁰.