

Additional data file 11. Hemolytic activity of pneumolysin in TIGR4 wild type and its SP_1922 isogenic mutant strain. Human erythrocytes were exposed to various conditions and percent lysis was determined using a control containing 2% (v/v) erythrocytes in de-ionized water.

Condition	10-fold serial dilutions of bacterial cell extracts	% Lysis
TIGR4 wild type	10%	100
	1%	63
	0.10%	10
TIGR4_1922_knockout	10%	100
	1%	75
	0.10%	9
Condition	Concentration	% Lysis
Saponin (Positive control)	1%	100
	0.10%	100
	0.01%	100
	0.001%	73
	0.0001%	11
DMSO (Negative control)	1%	11
	0.10%	13
	0.01%	13
	0.001%	10
	0.0001%	19
dH ₂ O (Positive control)	N/A	100