Figure S6: Effect of META1 overexpression in \textit{L. major}. (A) Effect on extracellular SAP activity on META1 overexpression. SAP activity in \textit{L. major} at log (black bars) and stationary phase (grey bars) of vector control (\textit{Lmj} GFP), wild-type META1 overexpression line (\textit{Lmj}/\textit{Lmj}-WT), mutant META1 overexpression lines: L58F (\textit{Lmj}/\textit{Lmj}-L58F); L80F (\textit{Lmj}/\textit{Lmj}-L80F) and L58,50F (\textit{Lmj}/\textit{Lmj}-L58,80F) respectively. SAP activity is represented in nmoles of pNPP hydrolyzed per min per 0.2 ml. The average of at least 3 biological replicates is presented. Bar represents the standard deviation. (B) Effect on growth kinetics in \textit{L. major} on META1 overexpression. Growth curves of \textit{L. major} overexpressing either the wild-type META1, \textit{Lmj}/\textit{Lmj}-WT (white circle) or mutant META1 L58F (black square), L80F (white square) and L58,80F (black triangle) were compared to that of \textit{Leishmania} with control vector, \textit{Lmj} GFP (black circle). Cell density (x 10$^6$ cells/ml) of each culture was determined at 24 hour time intervals after 48 hours of initial inoculation for up to 7 days. The cell densities plotted are average of at least 3 biological replicates. (C) Western blot of \textit{L. major} META1 overexpression lines. \textit{L. major} META1-GFP overexpression (wild-type & mutant) compared to vector control, \textit{Lmj} GFP. Lane 1: \textit{Lmj} GFP; Lane 2: \textit{Lmj}/\textit{Lmj}-WT; Lane 3: \textit{Lmj}/\textit{Lmj}-L58F; Lane 4: \textit{Lmj}/\textit{Lmj}-L80F and Lane 5: \textit{Lmj}/\textit{Lmj}-L58,80F. Upper and lower panels were probed with anti-GFP and anti-BiP respectively. (D) Transcript levels of \textit{META1}, \textit{GFP} and \textit{NEO} (neomycin). QRT-PCR analysis of META1 overexpression lines (wild-type & mutant) for transcript levels of \textit{META1}, \textit{GFP} and \textit{NEO}. The relative expression of the 3 genes is presented as fold difference over expression in \textit{Lmj}/\textit{Lmj}-WT.