**Table S1.** Results of ANOVA from the linear mixed effects model analysis of estimated dry masses of mean total litterfall and its fractions of leaves, small woods, reproductive and trash productions (t ha^{-1} yr^{-1}) showing the effects of forest, *Acacia* and rainfall (expressed as sliding thirty days totals, STDT) and their interactions. Significant P-values are highlighted in bold.
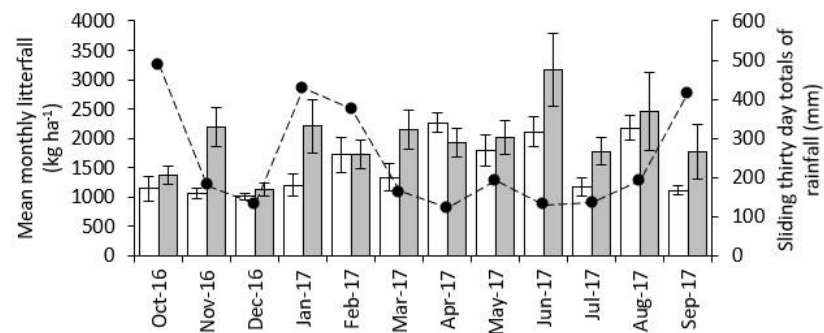
Effect	Total litterfall			Leaf litterfall			Small woods		
	df	F	P-value	df	F	P-value	df	F	P-value
Forest	1	1.82	0.179	1	0.73	0.392	1	0.11	0.741
Acacia	1	11.66	**0.0007**	1	13.77	**0.0003**	1	0.76	0.384
Rainfall	1	3.00	0.114	1	5.47	**0.041**	1	0.61	0.453
Forest x *Acacia*	1	6.58	**0.011**	1	6.94	**0.009**	1	3.02	0.084
Forest x Rainfall	1	0.06	0.808	1	0.39	0.532	1	2.38	0.124
Acacia x Rainfall	1	1.36	0.245	1	3.18	0.076	1	0.38	0.541
Forest x *Acacia* x Rainfall	1	0.12	0.731	1	1.79	0.183	1	0.10	0.757

Effect	Reproductive			Trash		
	df	F	P-value	df	F	P-value
Forest	1	21.86	**<0.0001**	1	2.63	0.106
Acacia	1	64.13	**<0.0001**	1	0.76	0.383
Rainfall	1	9.81	**0.011**	1	0.18	0.680
Forest x *Acacia*	1	3.55	0.061	1	1.72	0.191
Forest x Rainfall	1	0.23	0.635	1	0.69	0.408
Acacia x Rainfall	1	1.20	0.274	1	11.86	**0.0007**
Forest x *Acacia* x Rainfall	1	1.99	0.160	1	0.17	0.677

(A) Heath Forest

(F) Mixed Dipterocarp Forest

(B)

(G)

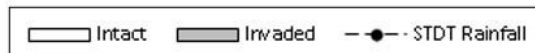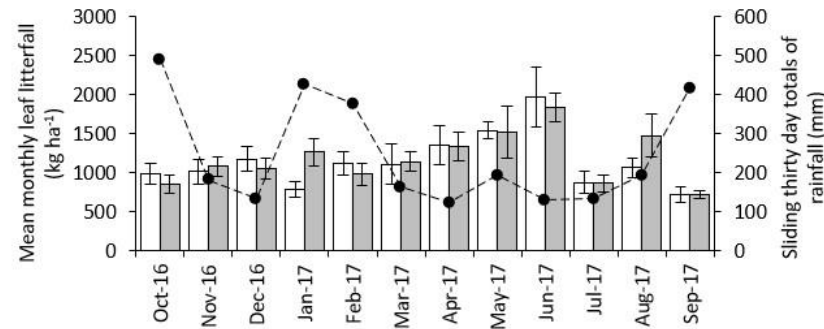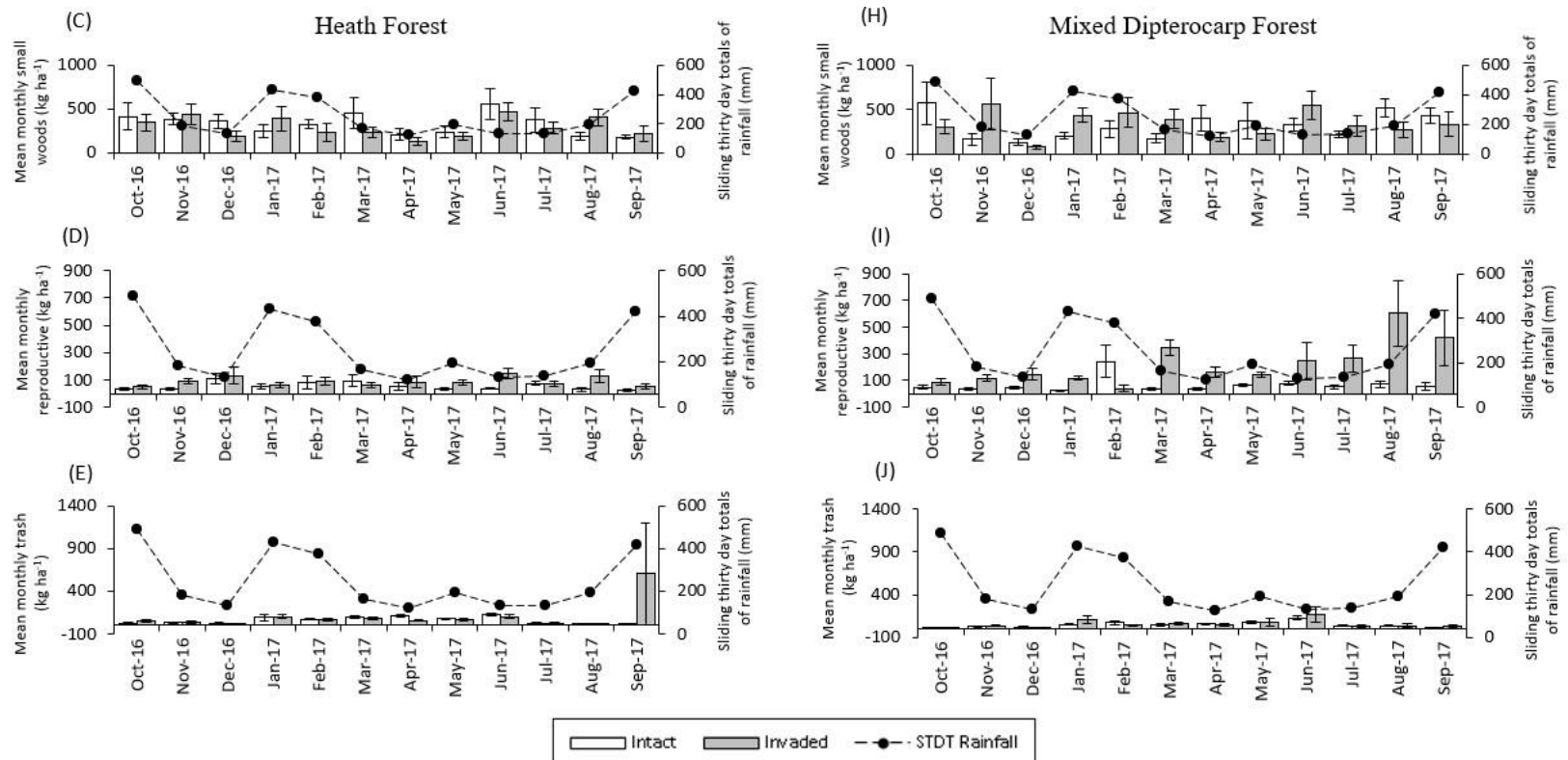Intact   Invaded   - STDT Rainfall
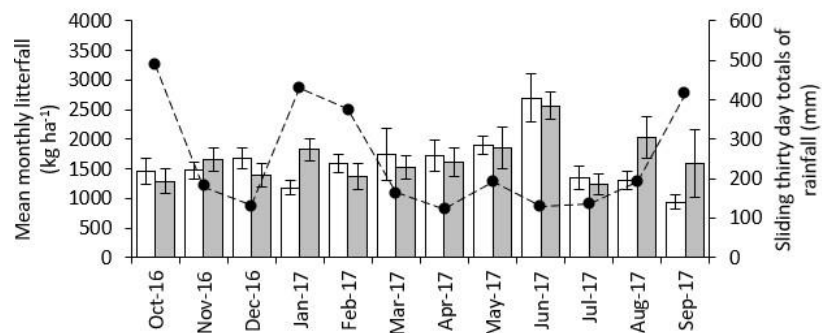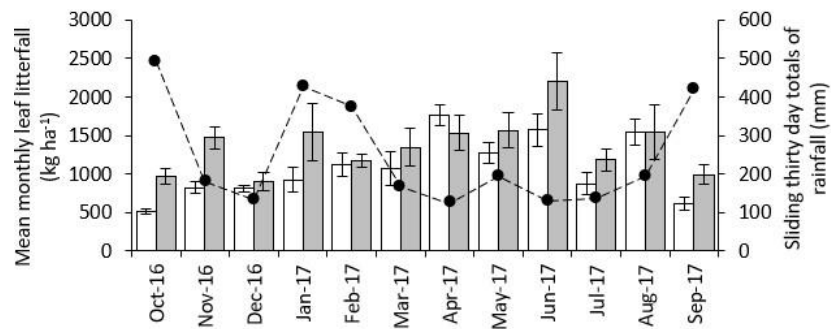
Figure S1. Seasonality of mean monthly total litterfall, leaf litterfall, small woods, reproductive and trash productions (kg ha^{-1}) and sliding thirty days total rainfall (STDT; mm) for each litterfall collection month over a 12-month period (October 2016 – September 2017) in intact and *Acacia*-invaded heath forest (A-E) and mixed dipterocarp forest (F-J). Values on bar graphs are mean ± standard error, SE. Sliding thirty days total rainfall (STDT; mm) was calculated by summing the rainfall recorded for a particular sampling day and the preceding 29 days
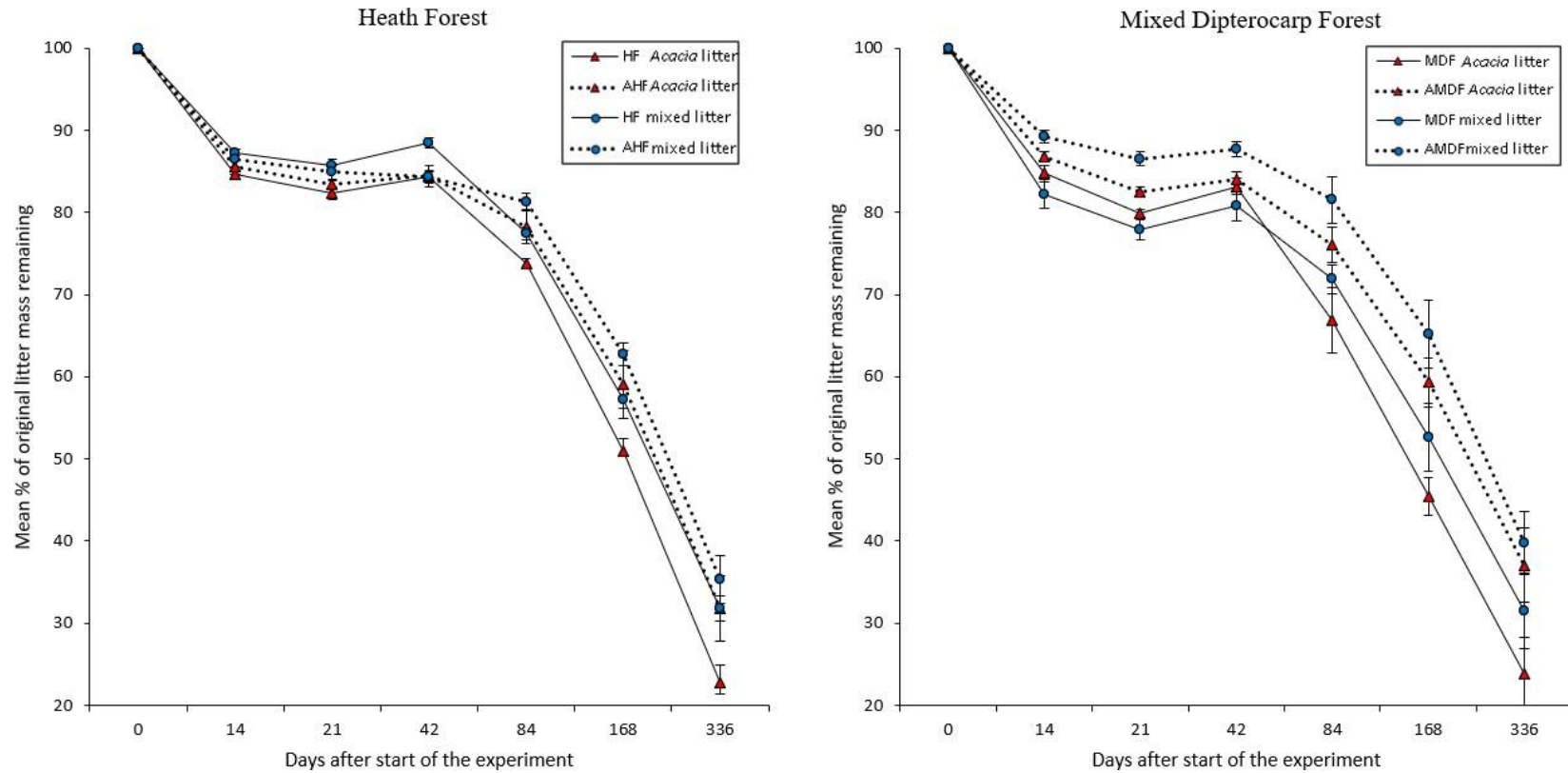
Figure S2. Mean percentage of original litter mass remaining in litter decomposition bags over time (day 0 to day 336). Two types of litter (*Acacia* litter and mixed species litter) were deployed in four different habitats: intact heath forest (HF), *Acacia*-invaded heath forest (AHF), intact mixed dipterocarp forest (MDF) and *Acacia*-invaded mixed dipterocarp forest (AMDF). All values are mean ± standard error, SE.