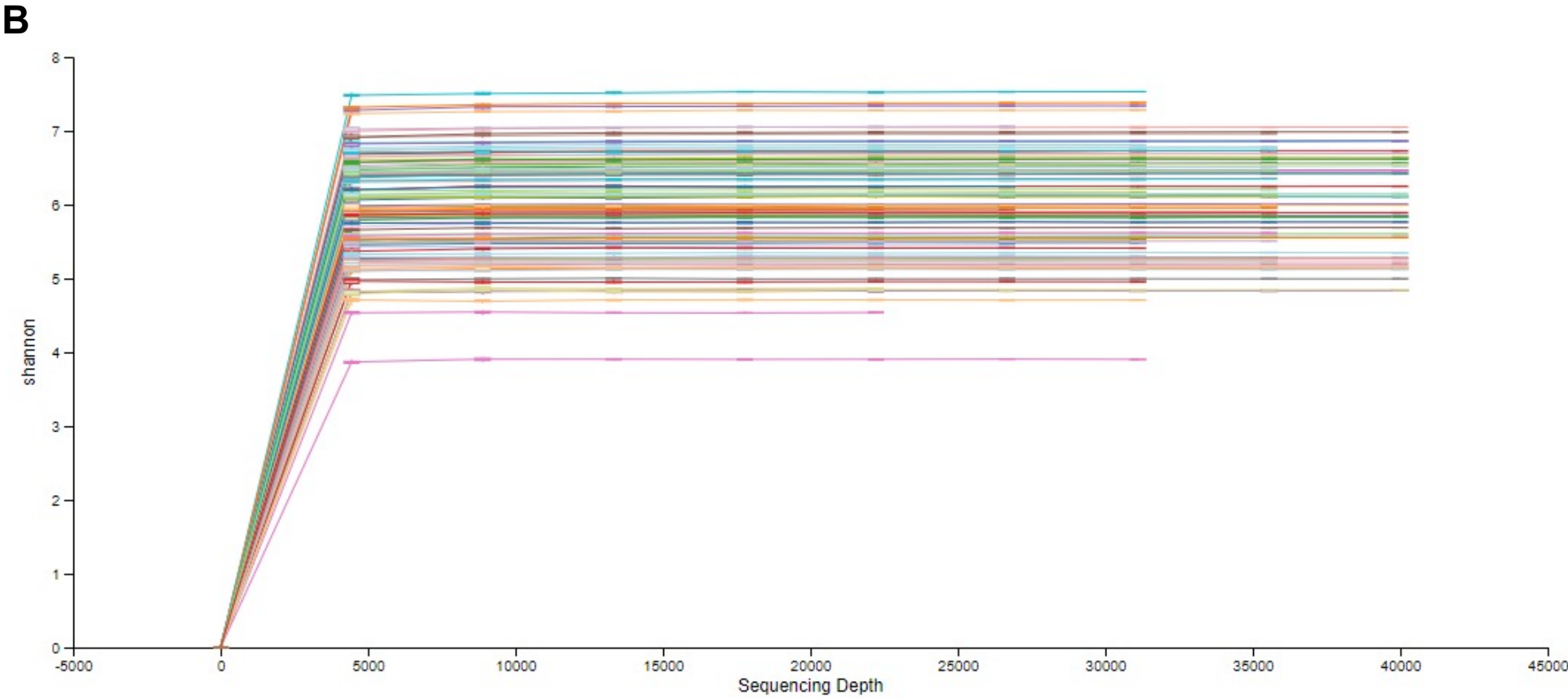
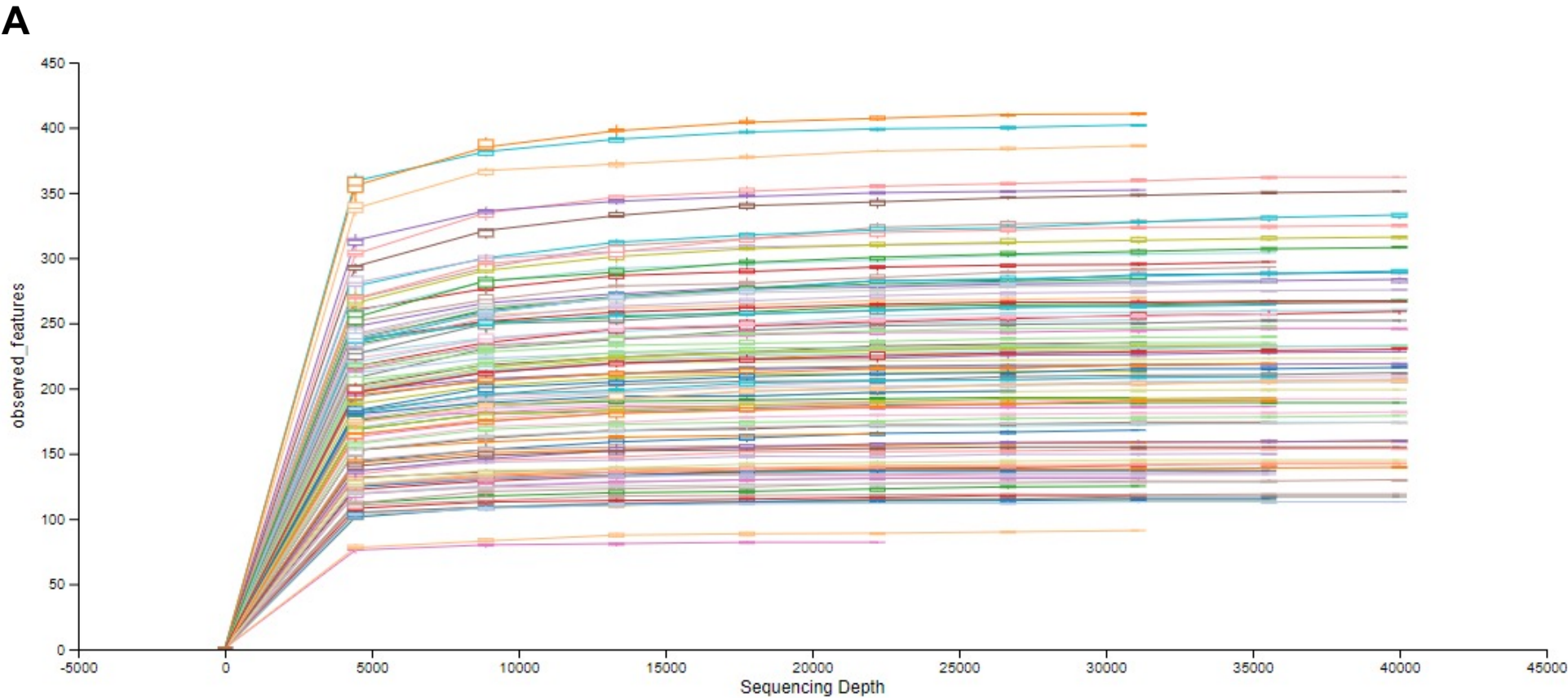
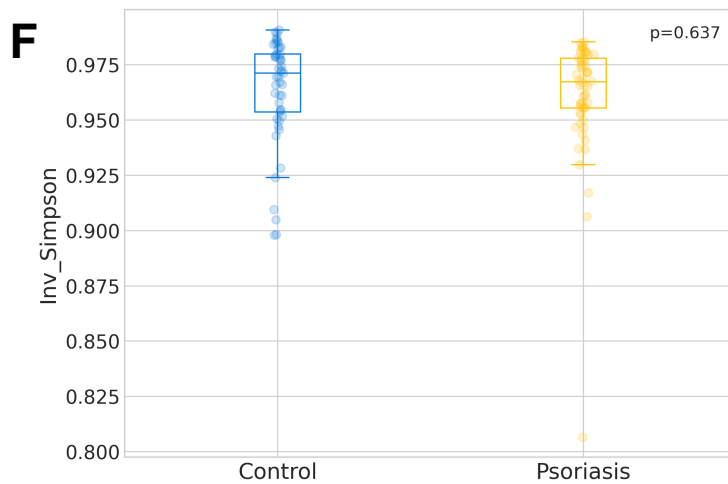
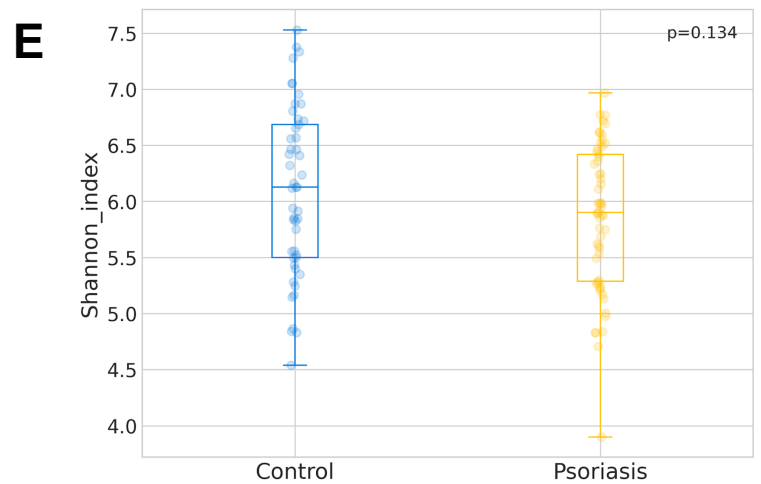
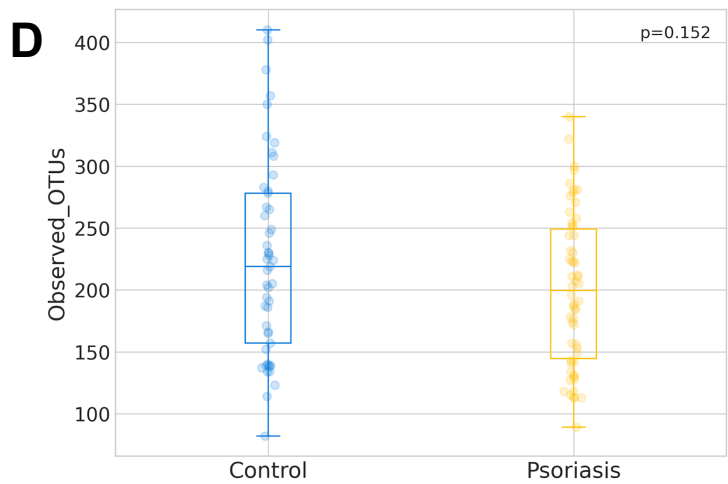
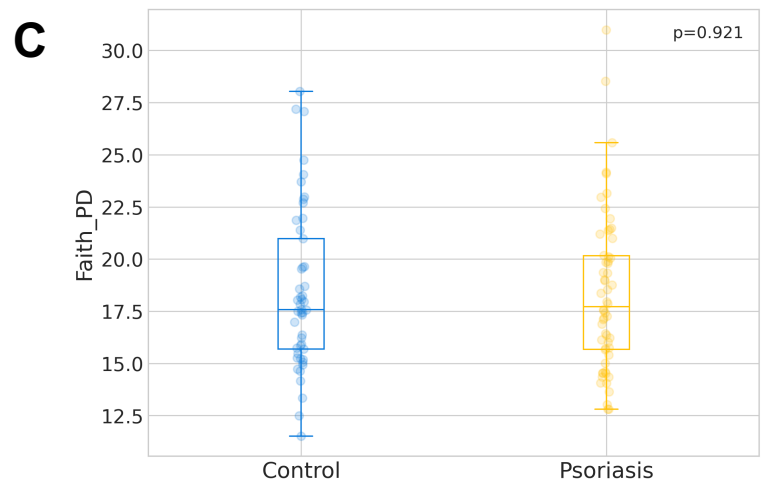
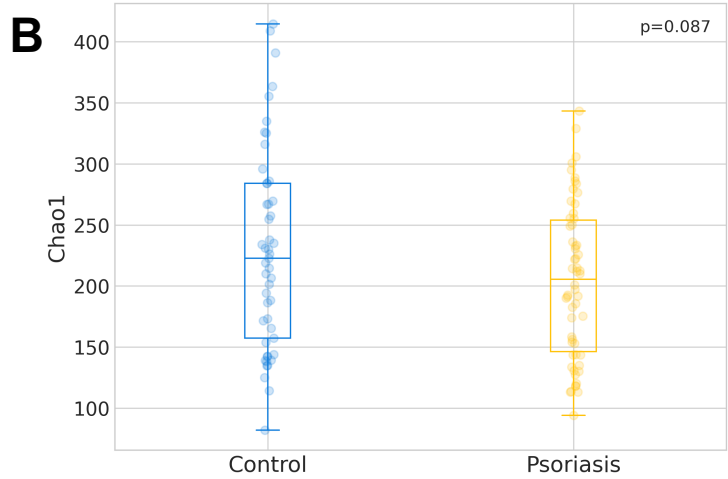
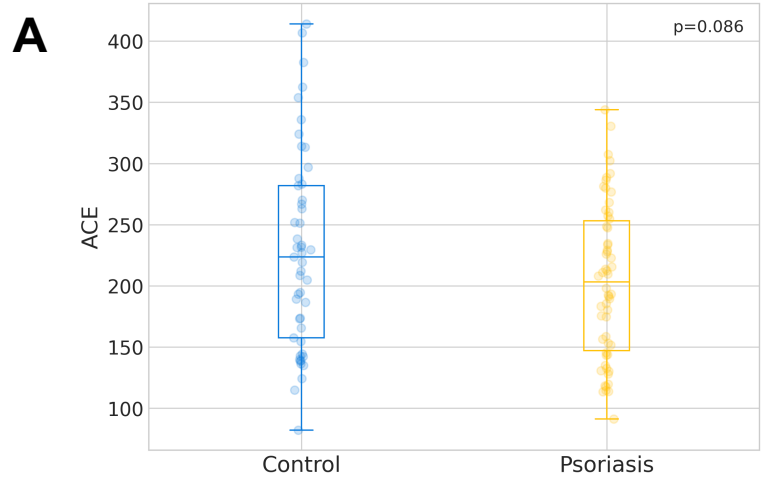


Supplementary Figure S1

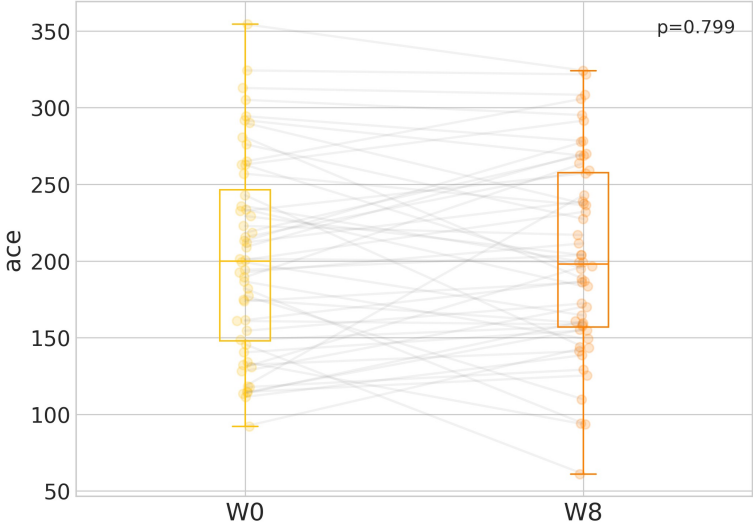


Supplementary Figure S2

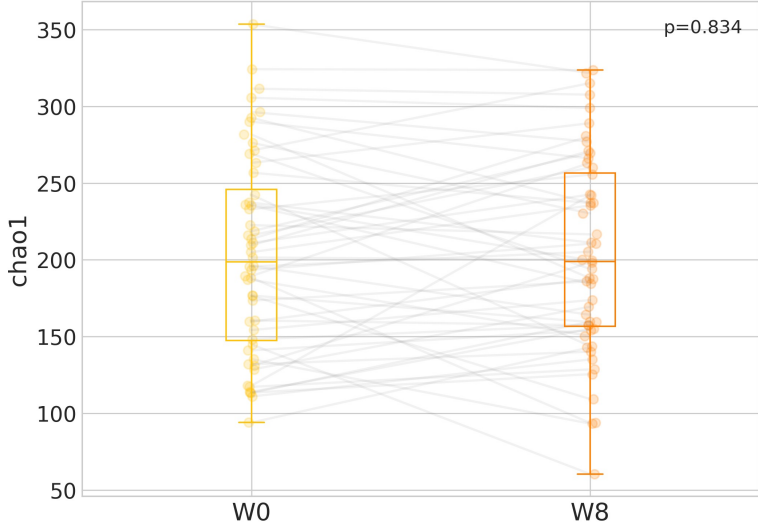


Supplementary Figure S3

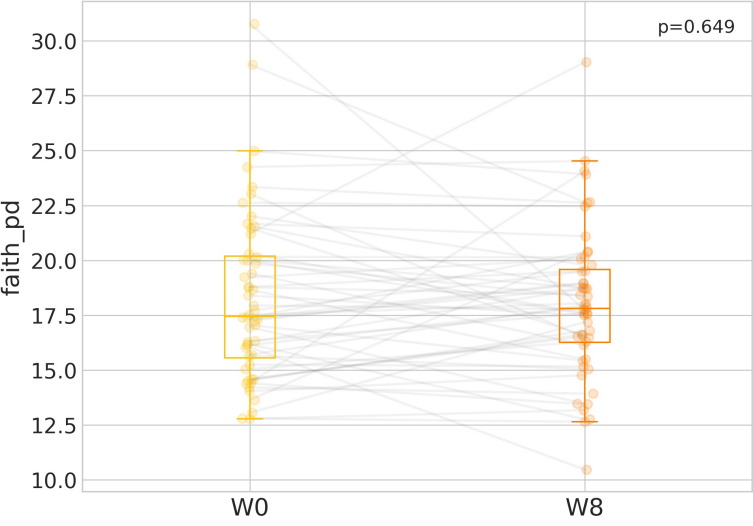
A



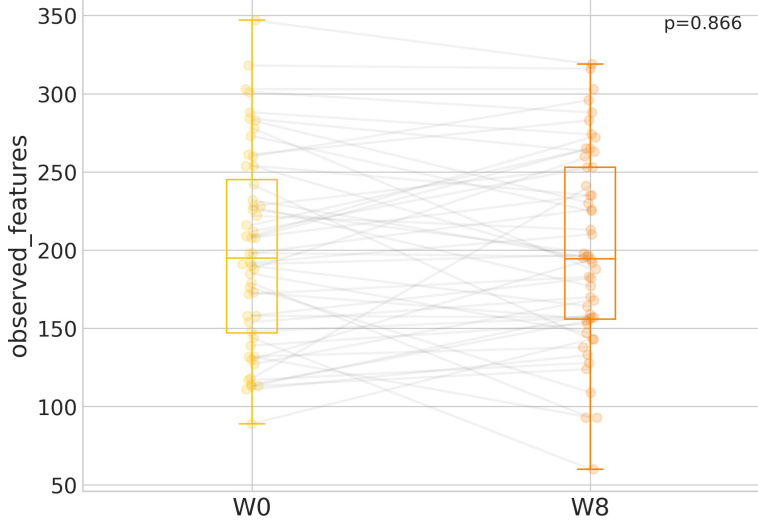
B



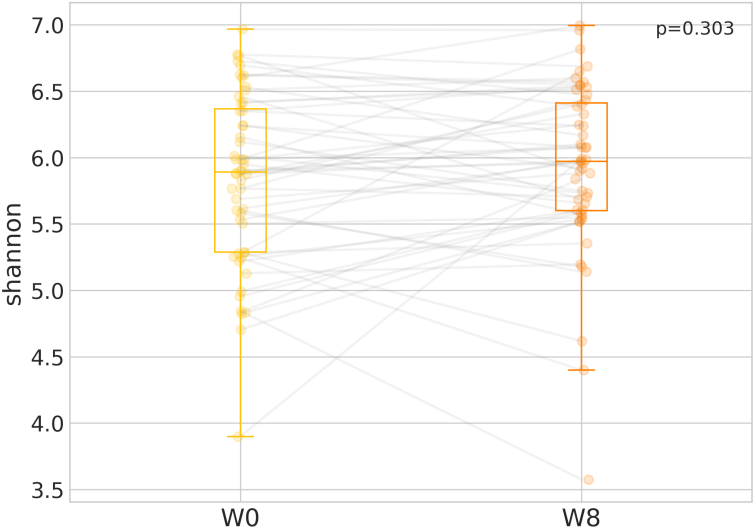
C



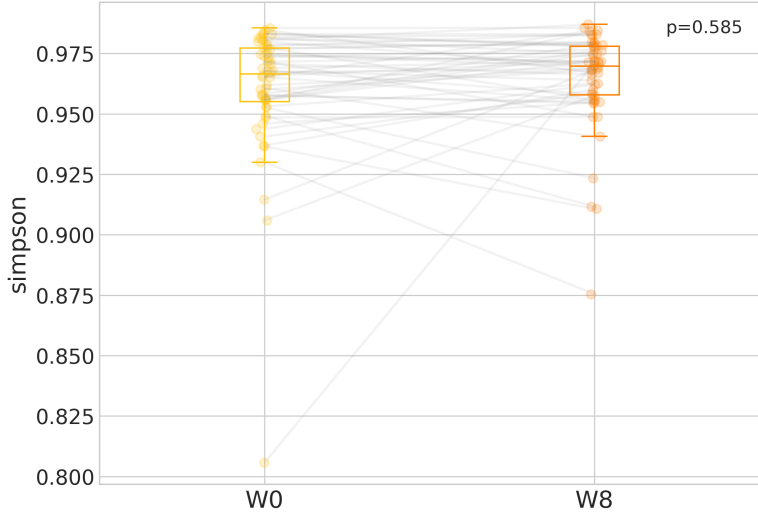
D



E

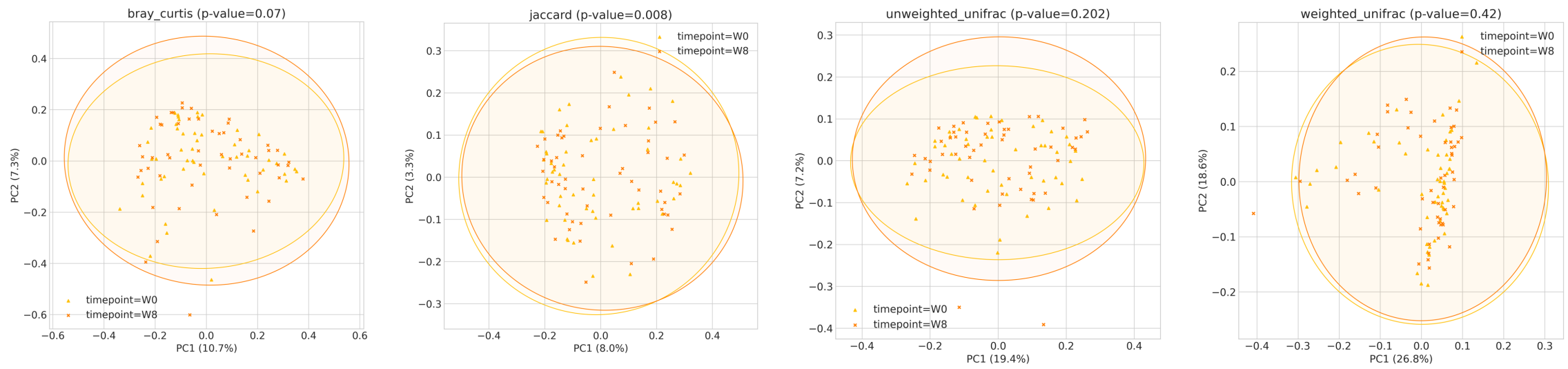


F

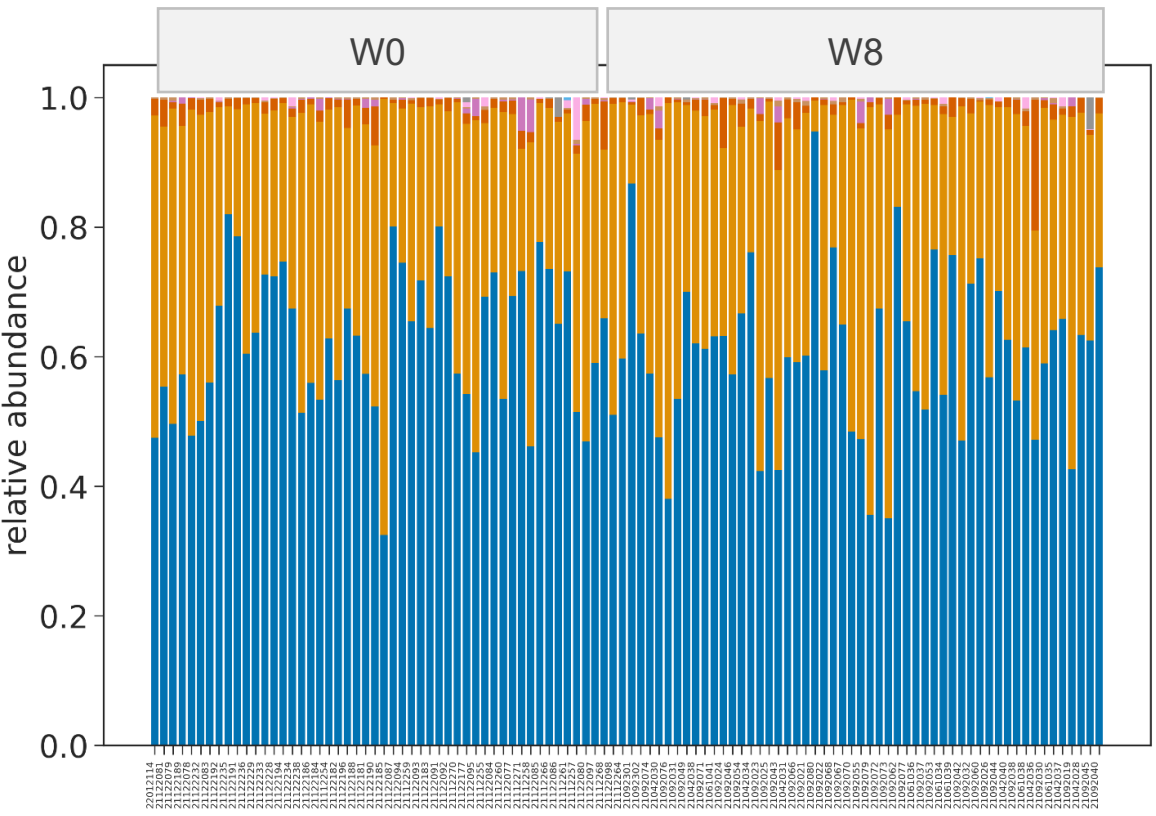


Supplementary Figure S4

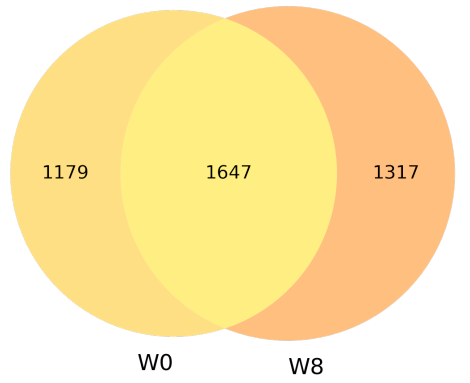
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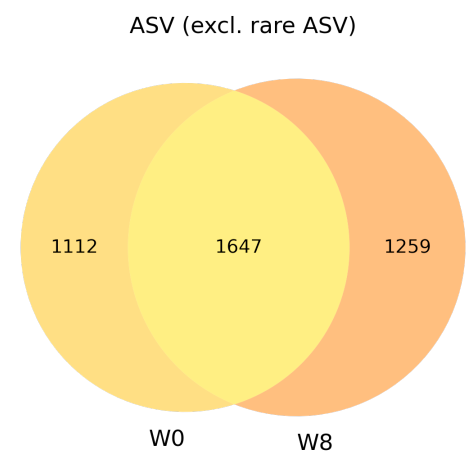
B



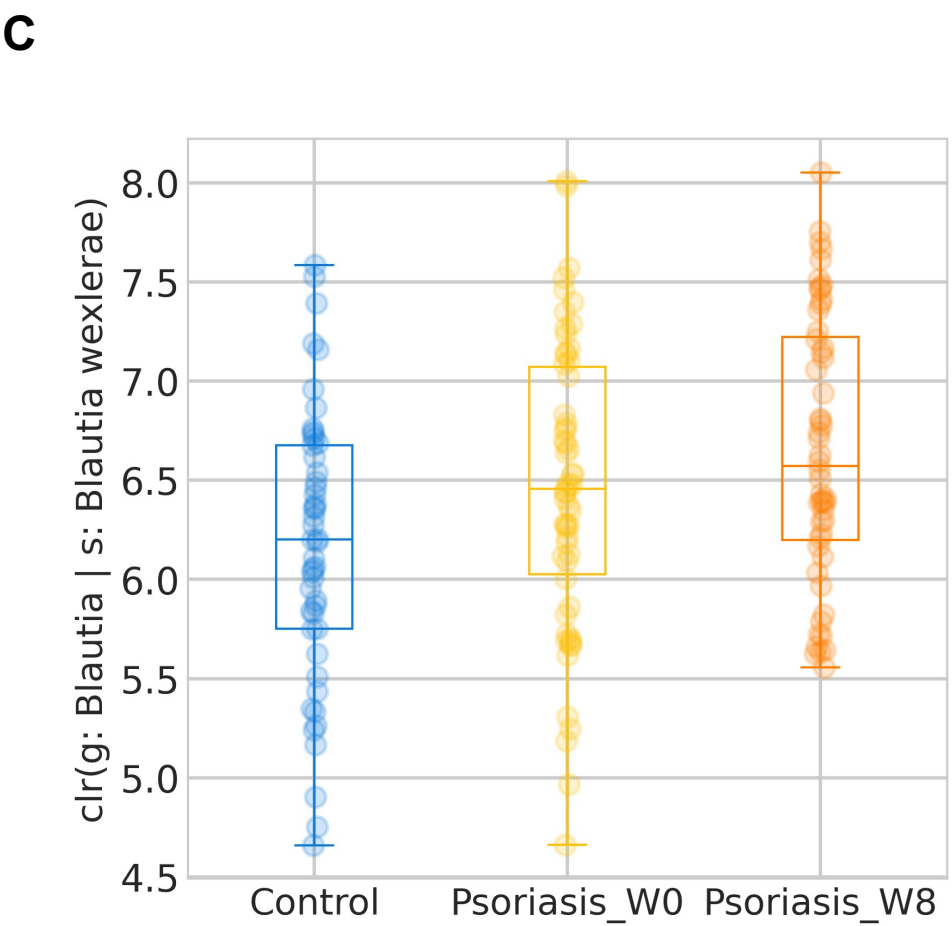
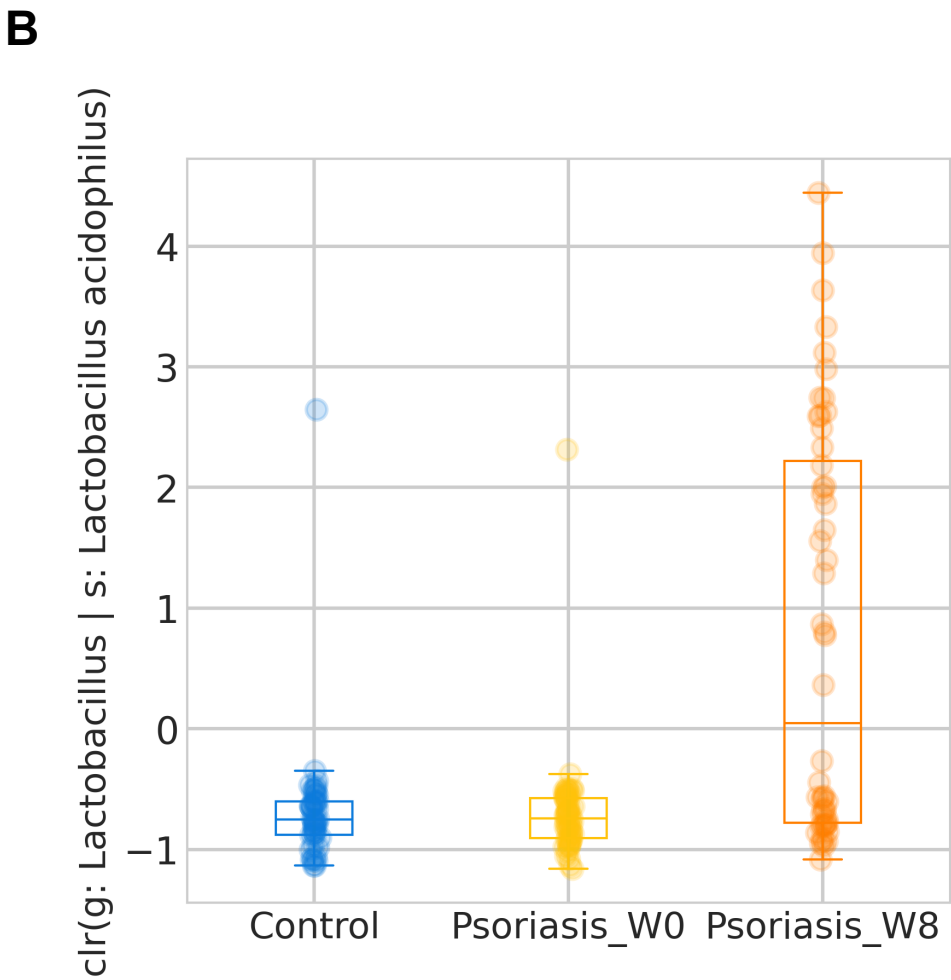
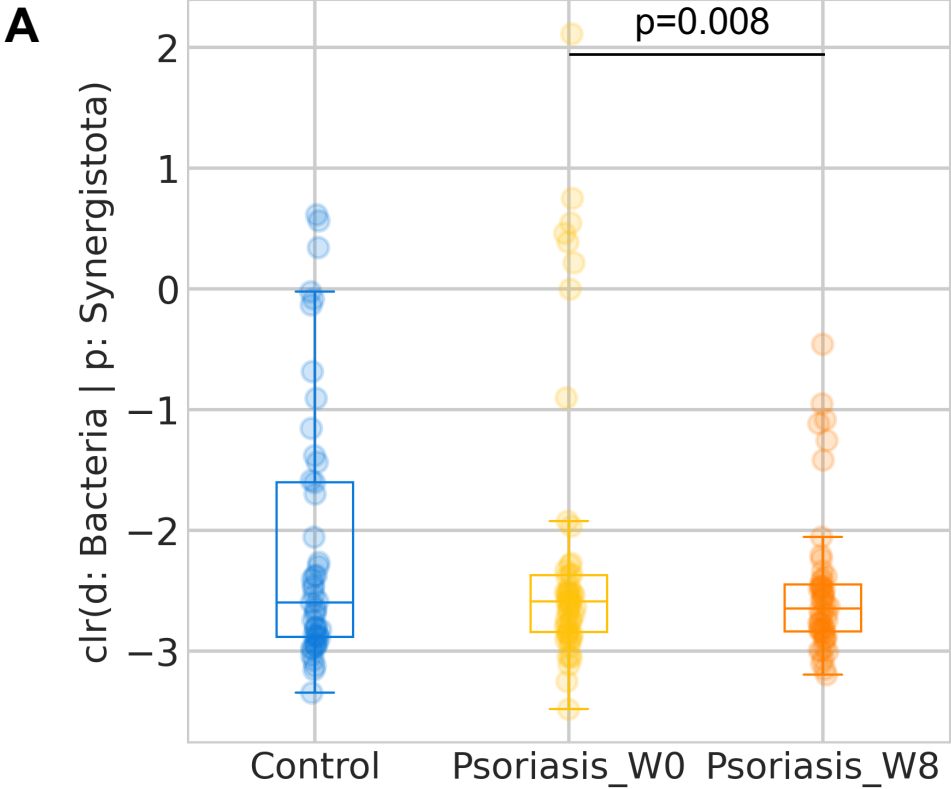
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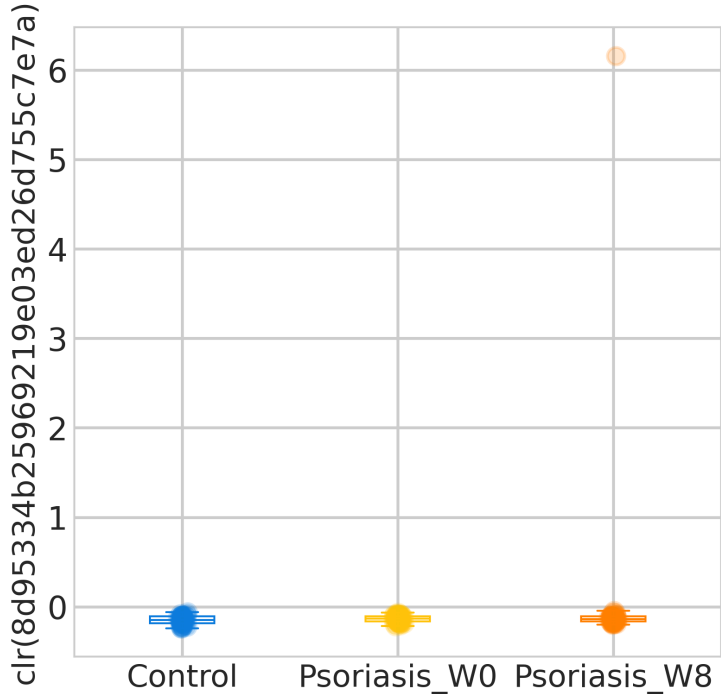
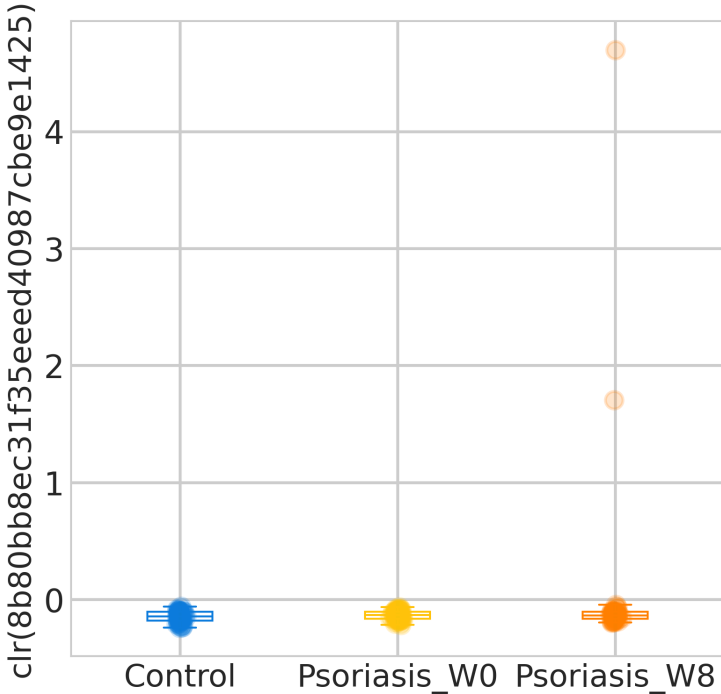
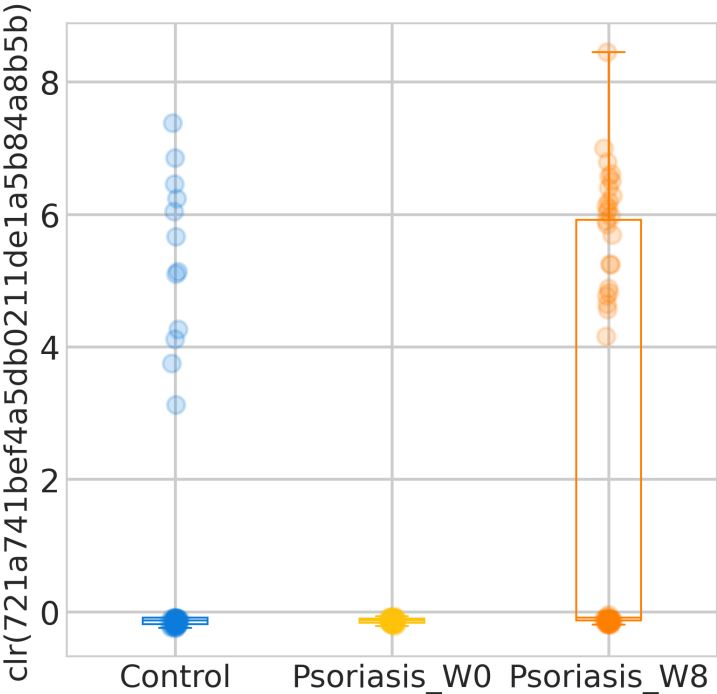
D



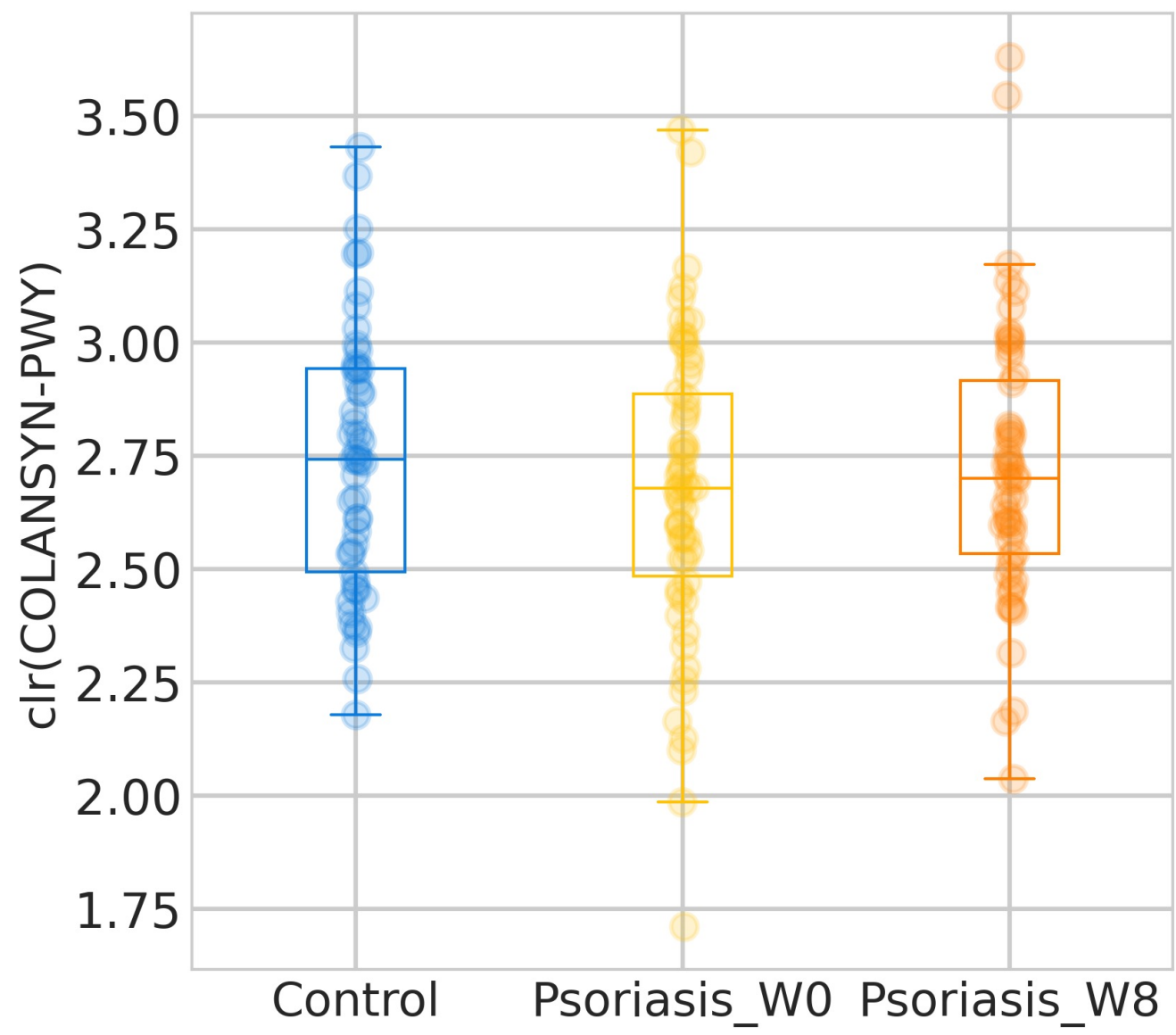
Supplementary Figure S5



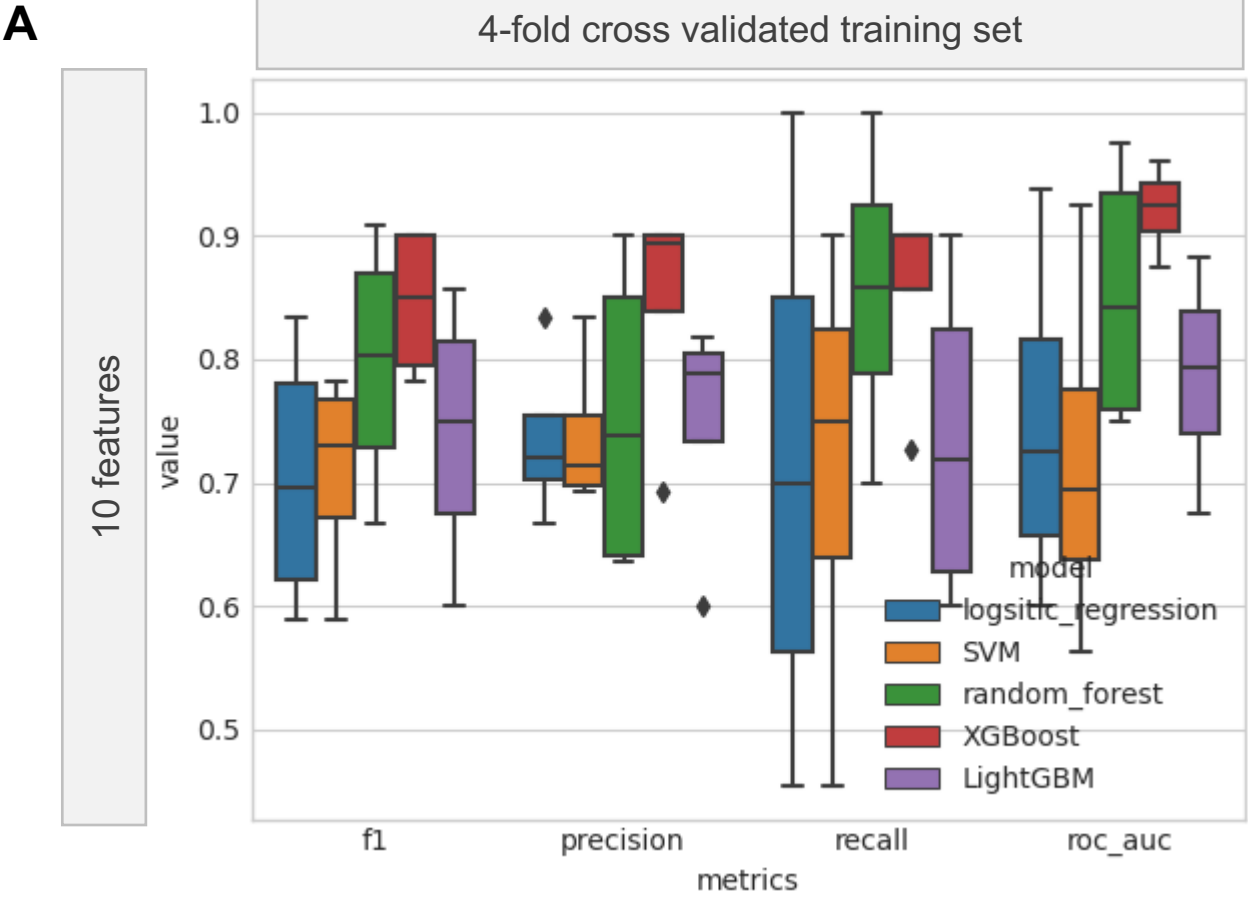
Supplementary Figure S6



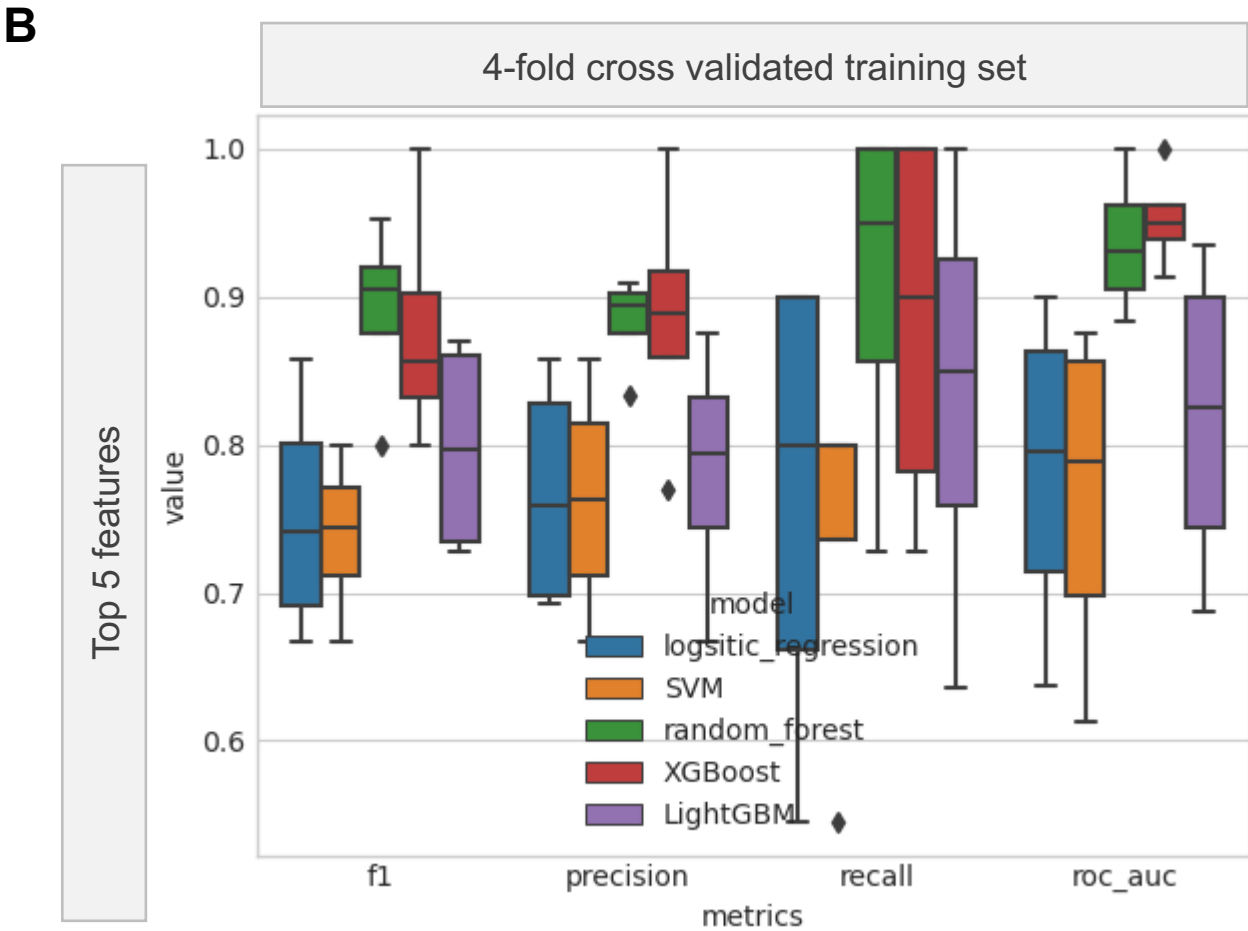
Supplementary Figure S7



Supplementary Figure S8

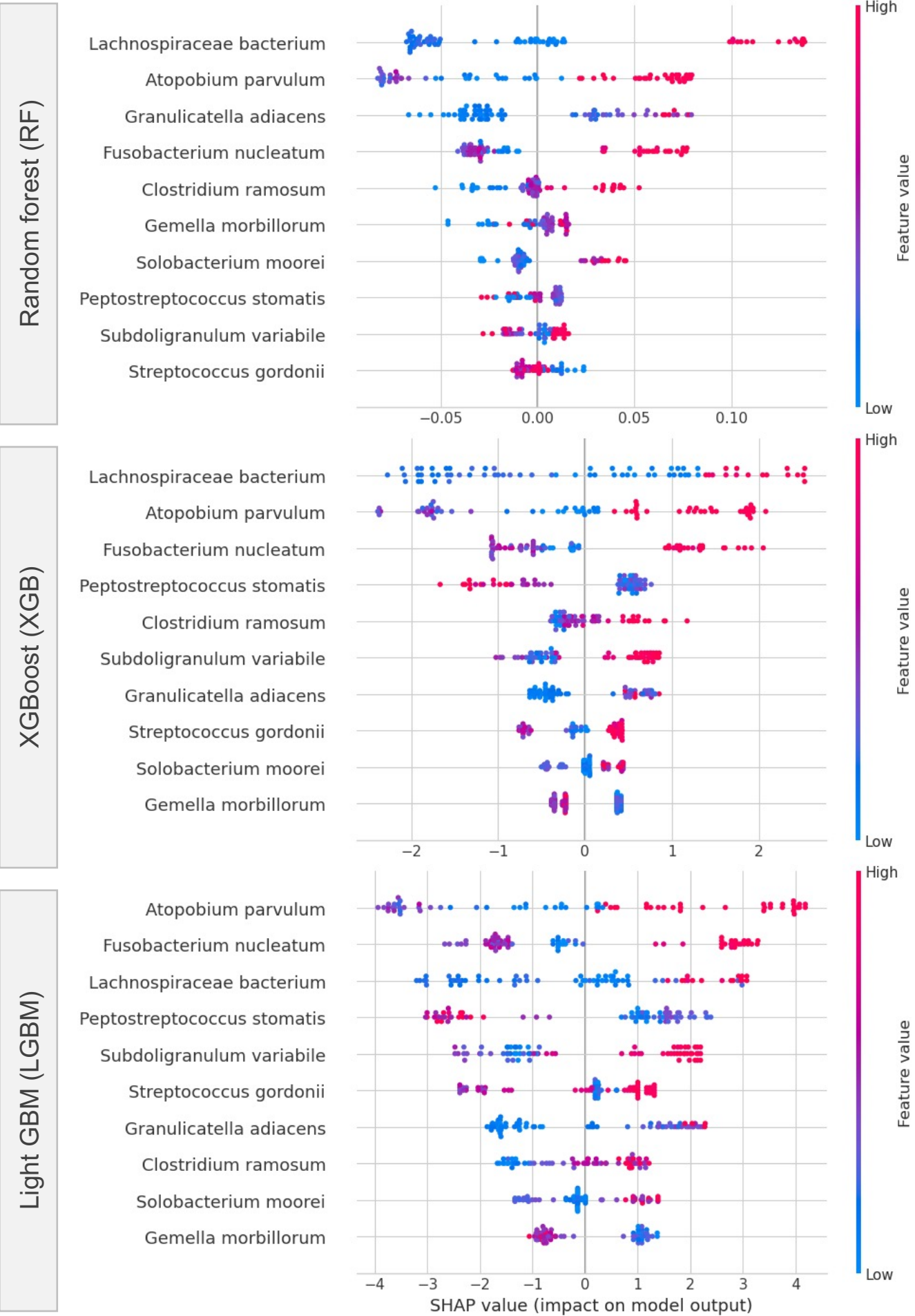


25% held out test set				
	F	Precision	Recall	AUROC
LR	0.78	<u>1.00</u>	0.64	0.82
SVM	0.83	<u>1.00</u>	0.71	0.86
RF	<u>0.89</u>	0.92	<u>0.86</u>	<u>0.88</u>
XGB	0.86	0.86	<u>0.86</u>	0.83
LGBM	<u>0.89</u>	0.92	<u>0.86</u>	<u>0.88</u>



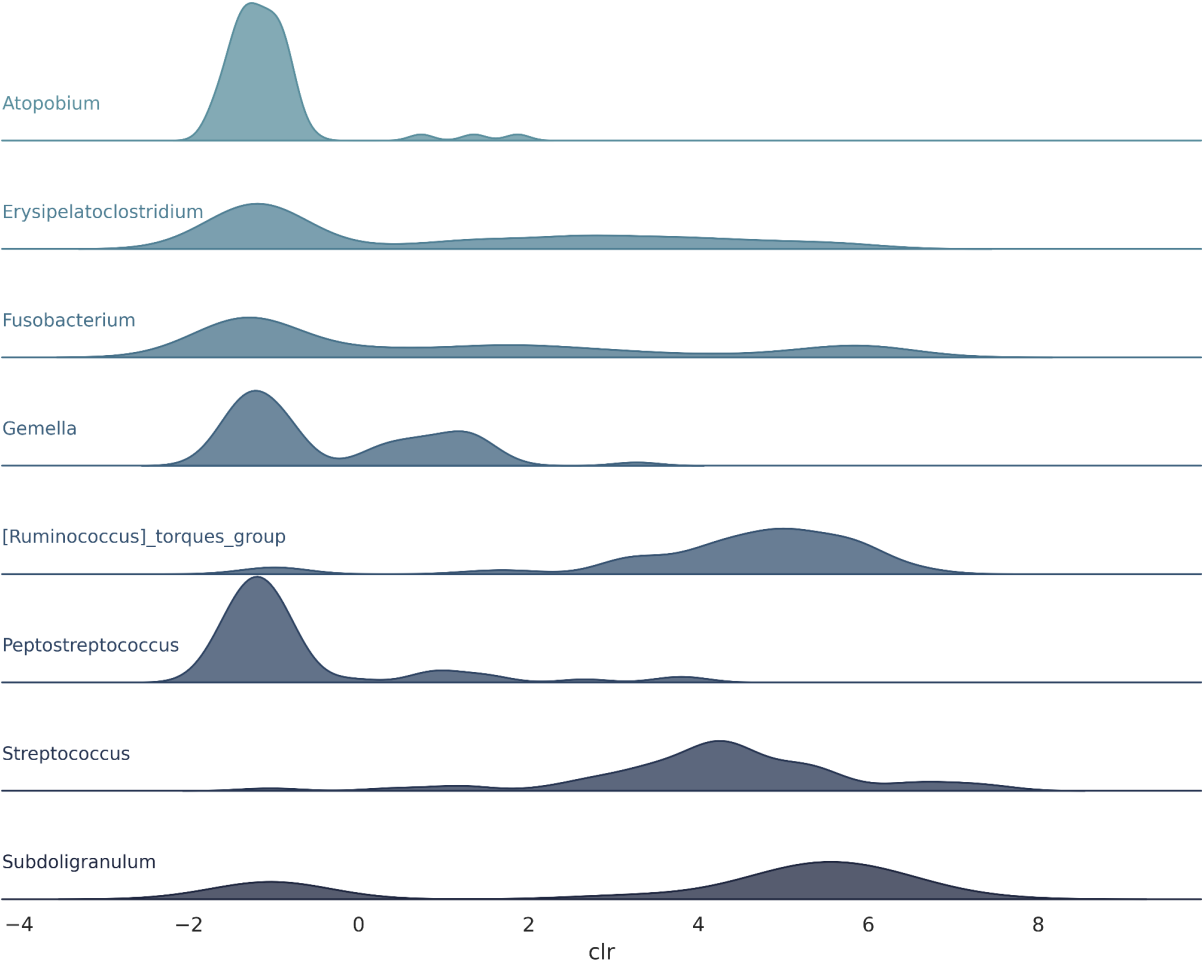
25% held out test set				
	F	Precision	Recall	AUROC
LR	0.78	<u>1.00</u>	0.64	0.82
SVM	0.78	<u>1.00</u>	0.64	0.82
RF	0.87	0.82	<u>0.93</u>	0.81
XGB	0.86	0.86	0.86	0.83
LGBM	<u>0.89</u>	0.92	0.86	<u>0.88</u>

Supplementary Figure S9



Supplementary Figure S10

A



B

