

Table 1

Project #	Sequence Type	N	Pre-surgery	Post-surgery 1 month	Post-surgery 3 months	Post-surgery 6 months	Post-surgery 1 year	Post-surgery 2 years	Post-surgery 3 years	Publication	Dataset Names	Age	BMI	Sex (F/M)	Site
PRJNA612042	16S rRNA	22	9	--	--	7	6	--	--	Ilhan et al 2020	Ilhan	-- ^b	-- ^b	-- ^b	Arizona, USA
PRJNA395660	16S rRNA	71	25	--	20	--	14	8	4 ^a	Assal et al 2019	Assal	45.8 ± 7.1	46.4 ± 5.5	25/25	Sao Paulo, Brazil
PRJEB14082	16S rRNA	38	19	--	--	19 ^c	--	--	--	BOCABS Afshar et al 2018	Afshar ^c	-- ^b	-- ^b	-- ^b	UK
PRJEB12947	WGS	33	13	--	12	--	33	--	--	Palleja et al 2016	Palleja	-- ^b	-- ^b	8/5	Denmark
This study	16S rRNA	61	30	21	--	10	--	--	--	---	BS	43.5 ± 10.0	44.7 ± 7.1	26/4	Fargo and Ohio, USA
This study	WGS	135	52	38	--	27	18	--	--	---	BS	42.8 ± 9.8	45.1 ± 6.1	46/6	Fargo and Ohio, USA

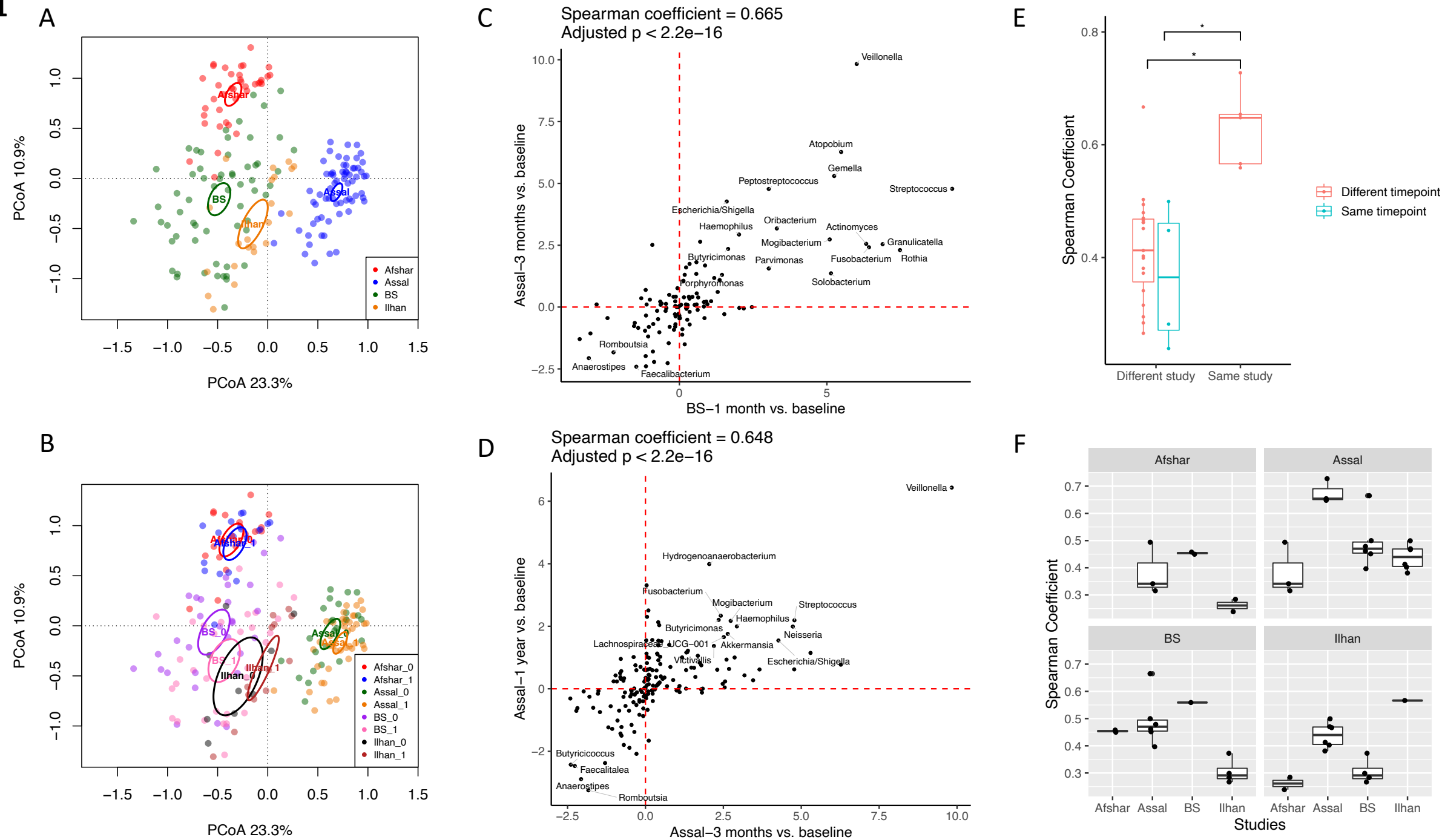
Figure 1

Figure 2

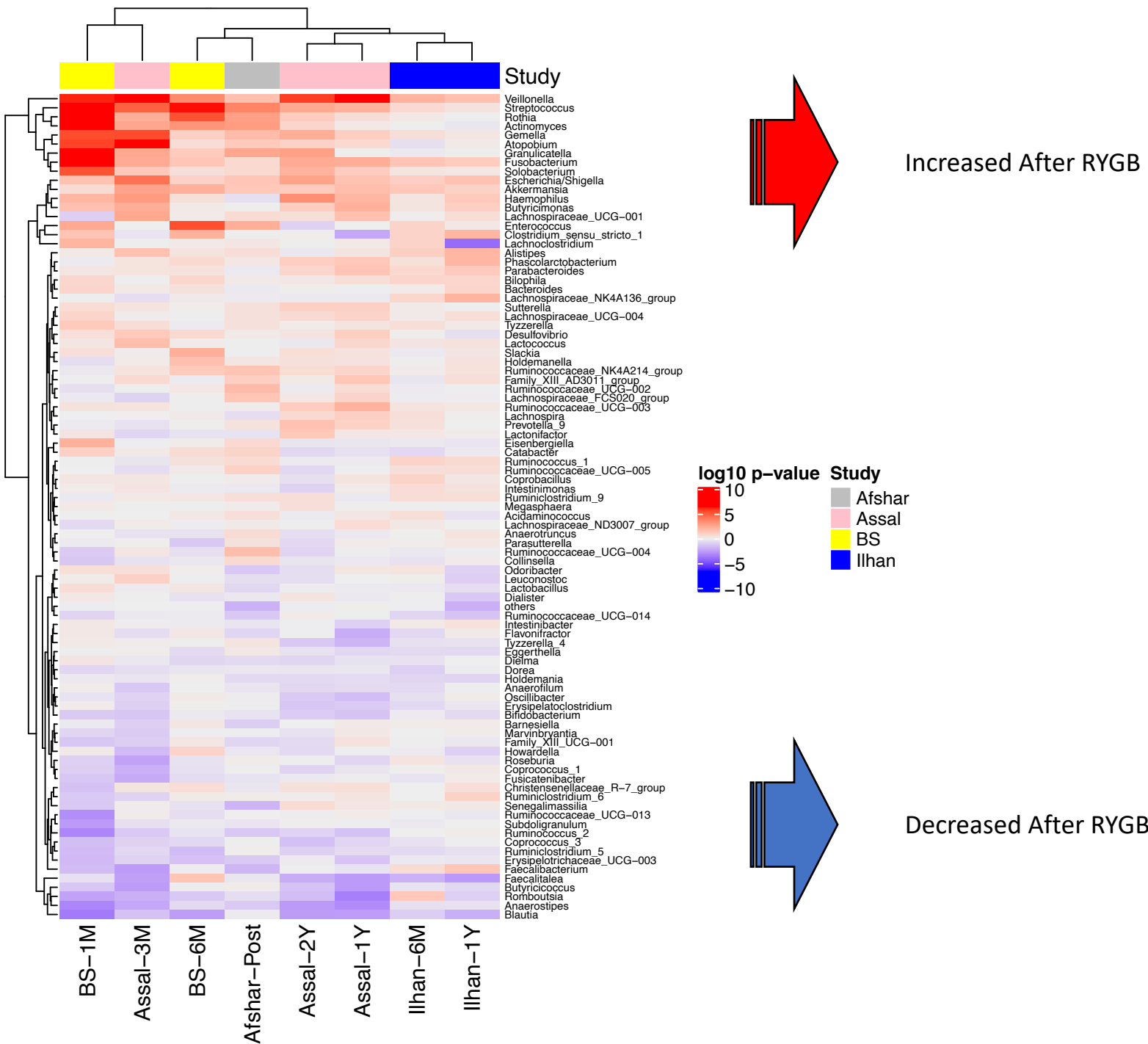


Figure 3

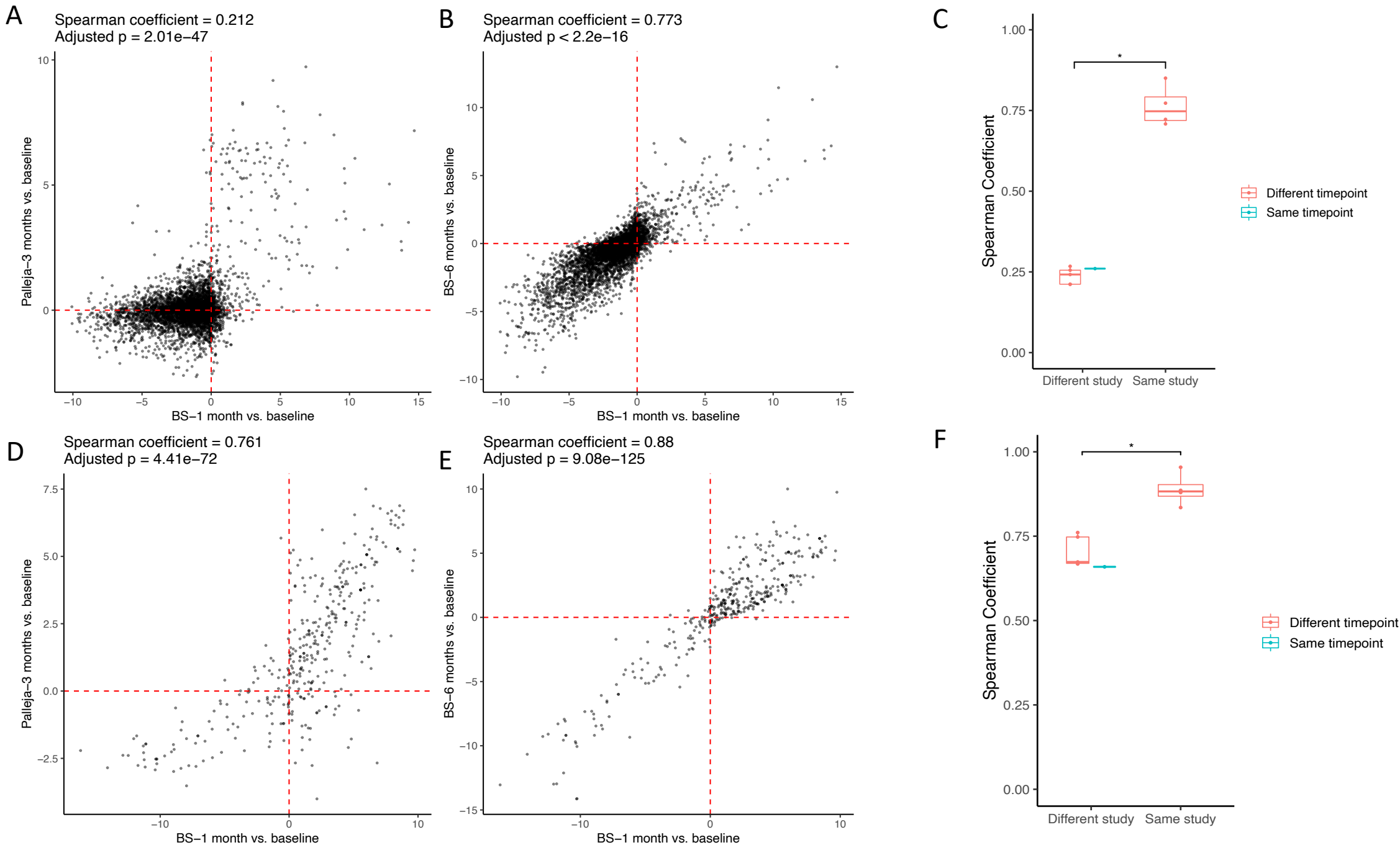
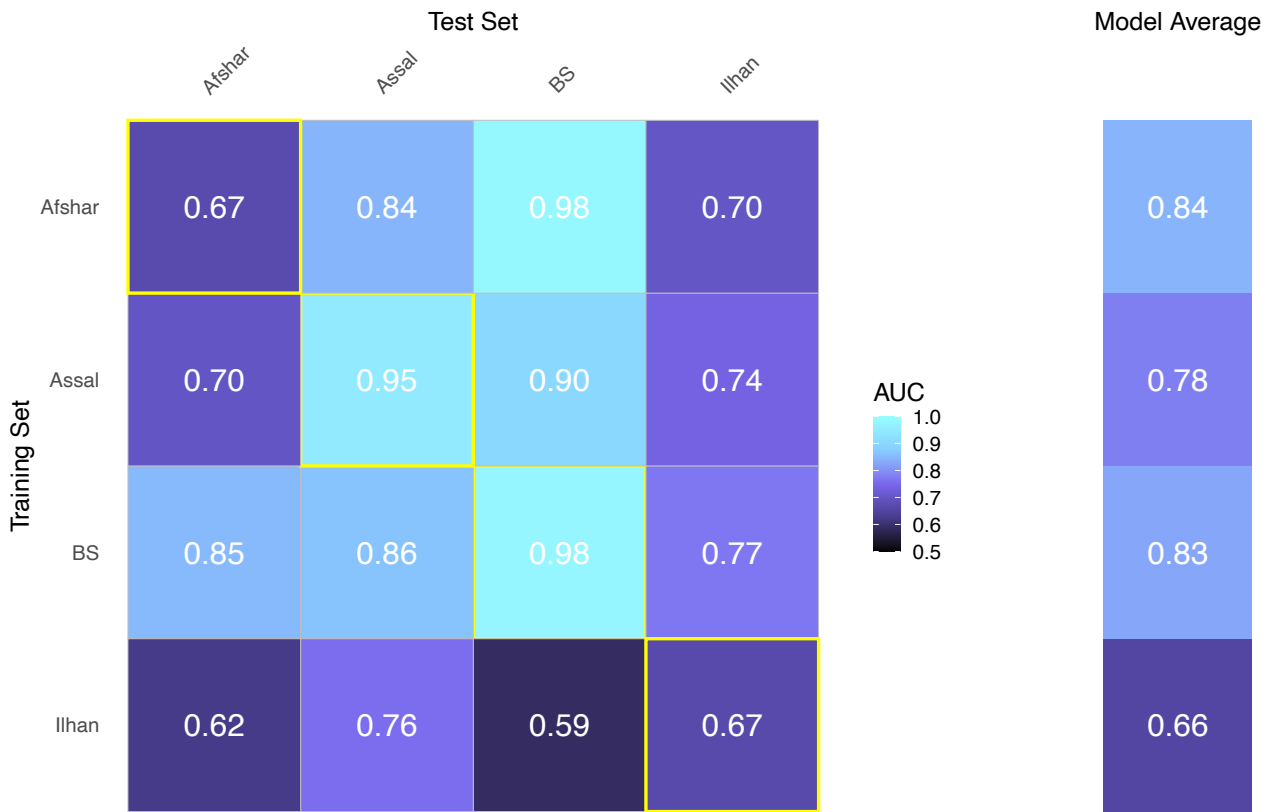


Figure 4

A



B

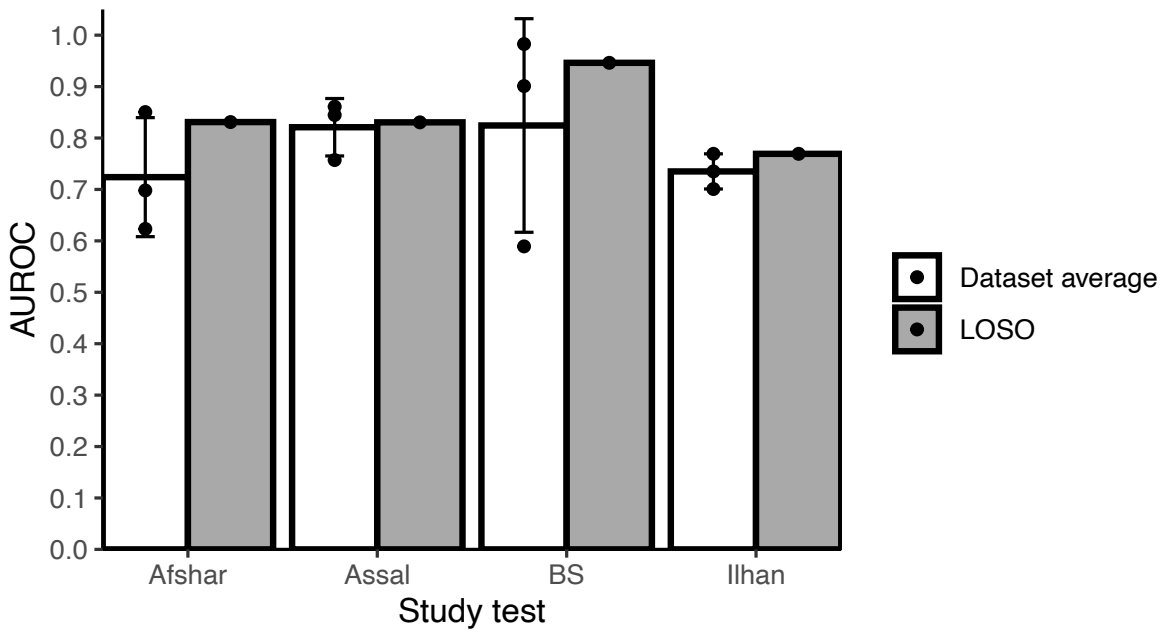


Figure 5

