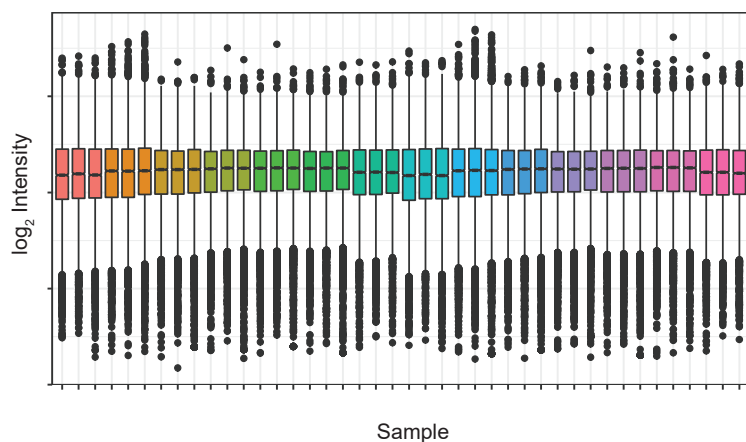


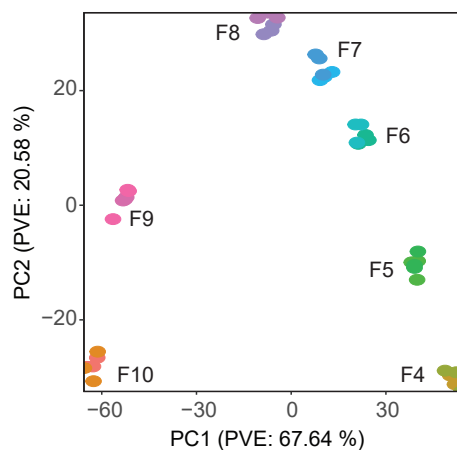
## A SWIP-TMT 16-plex Experimental Design

	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
Mix1	WT-5K	WT-9K	WT-12K	WT-15K	WT-30K	WT-79K	WT-129K	QC1	MUT-5K	MUT-9K	MUT-12K	MUT-15K	MUT-30K	MUT-79K	MUT-129K	QC2
Mix2	WT-5K	WT-9K	WT-12K	WT-15K	WT-30K	WT-79K	WT-129K	QC1	MUT-5K	MUT-9K	MUT-12K	MUT-15K	MUT-30K	MUT-79K	MUT-129K	QC2
Mix3	WT-5K	WT-9K	WT-12K	WT-15K	WT-30K	WT-79K	WT-129K	QC1	MUT-5K	MUT-9K	MUT-12K	MUT-15K	MUT-30K	MUT-79K	MUT-129K	QC2

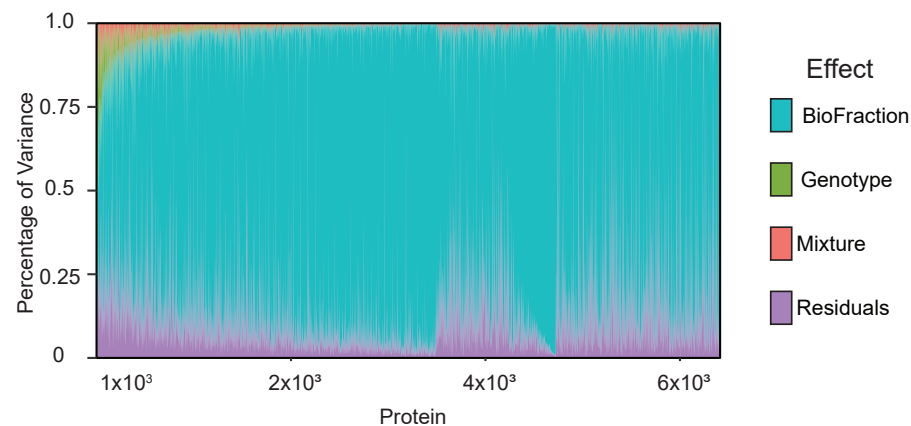
**B** Normalized Sample-level Intensity



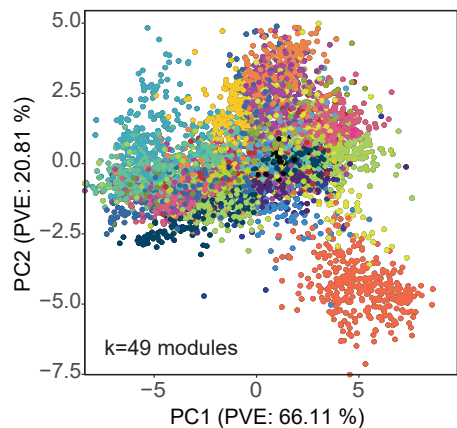
**C** Sample PCA



### D Protein Variance Partition



## E Protein PCA



## MSstatsTMT Contrast Matrix

		BioFraction: F4 F5 F6 F7 F8 F9 F10 F4 F5 F6 F7 F8 F9 F10															
F	Contrast	1	-1	0	0	0	0	0	0	+1	0	0	0	0	0	0	Mutant.F4-Control.F4
		0	-1	0	0	0	0	0	0	+1	0	0	0	0	0	Mutant.F5-Control.F5	
		0	0	-1	0	0	0	0	0	0	+1	0	0	0	0	Mutant.F6-Control.F6	
		0	0	0	-1	0	0	0	0	0	0	+1	0	0	0	Mutant.F7-Control.F7	
		0	0	0	0	-1	0	0	0	0	0	0	+1	0	0	Mutant.F8-Control.F8	
		0	0	0	0	0	-1	0	0	0	0	0	0	+1	0	Mutant.F9-Control.F9	
		0	0	0	0	0	0	-1	0	0	0	0	0	0	+1	Mutant.F10-Control.F10	
		8	-1/7	-1/7	-1/7	-1/7	-1/7	-1/7	-1/7	+1/7	+1/7	+1/7	+1/7	+1/7	+1/7	+1/7	Mutant-Control
			Genotype: <div><div>Control (-1/7)</div><div>Mutant (+1/7)</div></div>														
		1															14