File	Parameter	Value	Description
iqpir.params *--No header line--* (like 2-channel but with some different parameters including sample_ratios)	sample_map	/full_path_to/sample_map.txt	Required
	sample_channels	/full_path_to/sample_channels.txt	Optional to specify non-standard 6-plex channels
	sample_ratios	/full_path_to/sample_ratios.txt	**--Required, presence triggers multiplex quant--**
	email	me@u.washington.edu	Required for receiving analysis messages
	xlinkprophetfile	/full_path_to/iprophet-xl.pep.xml	Required
	deadendprophetfile	/full_path_to/Deadend_search/iprophet.pep.xml	Optional
	fdr	0.01	Required
	filter_crit	composite_probability	Required
	iqpir_output_dir	/full_path_to/multiplex/	Required
	existing_xl_iqpirfiles	/full_path_to_outputdir1(,full_path_to_outputdir2,….)	Optional to reuse iqpir.xls files in specified directories
	existing_deadend_iqpirfiles	/full_path_to_outputdir1(,full_path_to_outputdir2,….)	Optional to reuse iqpir.xls files in specified directories

File	Parameter	Value	Description
sample_map *--No header line--* (like 2-channel, but without fwd/rev column)	column 1	raw file name (without extension or full path)	No header line
	column 2	sample number	Multiplexed sample number so can separately quantify related 6-plex samples analyzed together with XLinkProphet
	column 3	biorep number	Bioreps are independently normalized, unlike technical reps

File	Parameter	Value	Description
sample_channels *--No header line--* (optional: specifies channel stump and reporter masses)	column 1	sample number	No header line
	column 2	stump modification masses for each channel in increasing mass order, comma delimited	default value: 325.127386,327.134095,329.14080505,330.13784005,332.14454905,334.15125905 (2-channel: 325.127386,327.134095)
	column 3	reporter masses for each channel, in decreasing mass order, comma delimited	default value: 825.490275,821.47686,817.463,815.469,811.455947,807.442528 (2-channel: 811.455947,807.442528)

File	Parameter	Value	Description
sample_ratios *--Requires header line--* (replaces 2-channel sample_def)	column 1	sample	Requires header line with sample, experiment_condition, etc.
	column 2	experiment_condition	How ratio is referred to on XLinkDB
	column 3	experiment_channel	Specify numerator channel, e.g. 826 or 822 or..., etc
	column 4	reference_condition	
	column 5	reference_channel	Specify denominator channel, e.g. 826 or 822 or..., etc
	column 6	description	Optional text to describe ratio
	column 7	normalize	yes or no: Whether to center log2ratio distribution at 0