

		Correlation				
		SPCA : with no regulariz ation	SPFM with directionality and steady state regularization			
Total amount of metabolites produce or consumed by Principal fluxes		42.8169	38.7987	23.4277	8.5643	0.3430

Type of Samples	Oxygen Level	Time Stamps	Slope of changes in Correlation				
Steady Stated Samples	0.00%		0.5294	-0.7700	-0.2304	-0.3249	-0.4399
	0.50%		0.5140	-0.7129	-0.2662	-0.3451	-0.5097
	1.00%		0.5167	-0.7129	-0.2658	-0.3433	-0.5101
	2.40%		0.5215	-0.7061	-0.2767	-0.3567	-0.5096
	20.80%		0.5077	-0.6380	-0.2972	-0.3962	-0.5472
Time Series Samples		0h	0.5136	-0.7047	-0.2698	-0.3548	-0.4999
		0.2h	0.4652	-0.5969	-0.2767	-0.4054	-0.5381
		1h	0.4709	-0.6193	-0.2710	-0.4271	-0.5337
	1.00%	3h	0.4943	-0.6659	-0.2655	-0.4108	-0.5272
		8h	0.5148	-0.7134	-0.2697	-0.3686	-0.4983
		24h	0.5279	-0.7753	-0.2250	-0.3204	-0.4515
		72h	0.5294	-0.7718	-0.2265	-0.3216	-0.4466
		0h	0.5147	-0.6484	-0.3040	-0.3899	-0.5552
		0.2h	0.4817	-0.6025	-0.2976	-0.4001	-0.5562
		1h	0.4861	-0.6059	-0.2912	-0.4149	-0.5502
	20.00%	3h	0.4935	-0.6737	-0.2679	-0.3934	-0.5152
		8h	0.4986	-0.6912	-0.2692	-0.3696	-0.5010
		24h	0.5244	-0.7624	-0.2511	-0.3305	-0.4668
		79h	0.5271	-0.7637	-0.2288	-0.3363	-0.4400

Type of Samples	Oxygen Level	Time Stamps	Correlation				
Steady Stated Samples	0.00%		0.5294	0.1217	0.0937	0.0633	0.0354
	0.50%		0.5140	0.1476	1.0937	0.0709	0.0348
	1.00%		0.5167	0.1483	2.0937	0.0715	0.0350
	2.40%		0.5215	0.1533	3.0937	0.0713	0.0350
	20.80%		0.5077	0.1838	4.0937	0.0780	0.0353
Time Series Samples		0h	0.5136	0.1517	5.0937	0.0715	0.0357
		0.2h	0.4652	0.1875	6.0937	0.0807	0.0373
		1h	0.4709	0.1793	7.0937	0.0749	0.0349
	1.00%	3h	0.4943	0.1651	8.0937	0.0715	0.0338
		8h	0.5148	0.1475	9.0937	0.0680	0.0341
		24h	0.5279	0.1186	10.0937	0.0625	0.0343
		72h	0.5294	0.1208	11.0937	0.0634	0.0351
		0h	0.5147	0.1809	12.0937	0.0768	0.0342
		0.2h	0.4817	0.1915	13.0937	0.0807	0.0358
		1h	0.4861	0.1916	14.0937	0.0794	0.0357
	20.00%	3h	0.4935	0.1610	15.0937	0.0715	0.0347
		8h	0.4986	0.1540	16.0937	0.0709	0.0354
		24h	0.5244	0.1246	17.0937	0.0625	0.0333
		79h	0.5271	0.1246	18.0937	0.0638	0.0357