

log 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** when correlation has been calculated in log scale

Steady Stated Samples	0.00%		0.2113	-0.0390	-0.6695	-0.1424	-0.1660
	0.50%		0.2099	-0.0222	-0.6657	-0.1512	-0.1782
	1.00%		0.2103	-0.0235	-0.6653	-0.1515	-0.1786
	2.40%		0.2103	-0.0217	-0.6648	-0.1527	-0.1803
	20.80%		0.2088	-0.0031	-0.6613	-0.1614	-0.1925
Time Series Samples		0h	0.2098	-0.0188	-0.6653	-0.1519	-0.1791
		0.2h	0.2060	0.0133	-0.6610	-0.1618	-0.1931
		1h	0.2062	0.0098	-0.6615	-0.1618	-0.1931
	1.00%	3h	0.2081	-0.0042	-0.6634	-0.1587	-0.1886
		8h	0.2100	-0.0211	-0.6663	-0.1517	-0.1789
		24h	0.2113	-0.0398	-0.6706	-0.1421	-0.1656
		72h	0.2112	-0.0389	-0.6698	-0.1423	-0.1659
		0h	0.2094	-0.0071	-0.6623	-0.1606	-0.1914
		0.2h	0.2064	0.0118	-0.6617	-0.1624	-0.1938
		1h	0.2070	0.0095	-0.6605	-0.1638	-0.1959
	20.00%	3h	0.2077	-0.0054	-0.6650	-0.1557	-0.1844
		8h	0.2086	-0.0126	-0.6658	-0.1528	-0.1803
		24h	0.2108	-0.0359	-0.6705	-0.1438	-0.1679
		79h	0.2112	-0.0371	-0.6691	-0.1431	-0.1670

Type of Samples Oxygen Level Time Stamps **Correlation in log scale**

Steady Stated Samples	0.00%		0.2113	0.2031	0.0671	0.0576	0.0480
	0.50%		0.2099	0.2053	0.0686	0.0582	0.0479
	1.00%		0.2103	0.2053	0.0687	0.0583	0.0479
	2.40%		0.2103	0.2057	0.0689	0.0584	0.0479
	20.80%		0.2088	0.2082	0.0705	0.0591	0.0477
Time Series Samples		0h	0.2098	0.2058	0.0689	0.0584	0.0480
		0.2h	0.2060	0.2087	0.0708	0.0593	0.0479
		1h	0.2062	0.2083	0.0705	0.0591	0.0477
	1.00%	3h	0.2081	0.2072	0.0697	0.0587	0.0476
		8h	0.2100	0.2056	0.0686	0.0582	0.0478
		24h	0.2113	0.2029	0.0668	0.0573	0.0478
		72h	0.2112	0.2030	0.0670	0.0575	0.0480
		0h	0.2094	0.2079	0.0702	0.0589	0.0477
		0.2h	0.2064	0.2088	0.0706	0.0592	0.0477
		1h	0.2070	0.2090	0.0710	0.0593	0.0477
	20.00%	3h	0.2077	0.2066	0.0692	0.0584	0.0477
		8h	0.2086	0.2059	0.0688	0.0583	0.0478
		24h	0.2108	0.2032	0.0670	0.0573	0.0477
		79h	0.2112	0.2034	0.0673	0.0577	0.0480