

Supplemental Table 1: Microarray of Genes Involved in the Ascorbate/Aldarate Pathway (mRNA Expression Levels)

NAME		ENTREZ	P-VALUE	AVERAGE INTENSITY (LOG-2)				FOLD CHANGE		
SYMBOL	DESCRIPTION			PMD3	PMD4	PRI	2LS	PMD4 vs PMD3	PRI vs PMD4	2LS vs PRI
Aldh1a1	Aldehyde dehydrogenase family 1, subfamily A1	11668	2.73E-03	9.68	9.41	8.64	9.01	-1.21	-1.70	1.29
Aldh2	Aldehyde dehydrogenase 2, mitochondrial	11669	1.28E-01	13.16	13.34	13.54	13.37	1.13	1.15	-1.13
Bckdha	Branched chain ketoacid dehydrogenase E1, alpha polypeptide	12039	3.88E-02	9.96	9.91	9.95	10.08	-1.04	1.03	1.10
Bckdhb	Branched chain ketoacid dehydrogenase E1, beta polypeptide	12040	1.62E-03	7.86	8.08	8.05	7.94	1.17	-1.03	-1.07
Gsto1	Glutathione S-transferase omega 1	14873	3.25E-06	10.21	10.35	10.10	10.17	1.10	-1.19	1.05
Aldh1a2	Aldehyde dehydrogenase family 1, subfamily A2	19378	5.31E-07	8.45	8.44	7.78	7.90	-1.01	-1.58	1.09
Aldh1a2	Aldehyde dehydrogenase family 1, subfamily A2	19378	1.23E-06	8.09	8.06	7.68	7.74	-1.02	-1.30	1.05
Aldh1a7	Aldehyde dehydrogenase family 1, subfamily A7	26358	4.13E-05	7.70	7.66	7.63	7.76	-1.03	-1.02	1.09
Akr1a4	Aldo-keto reductase family 1, member A4 (aldehyde reductase)	58810	2.86E-01	12.76	12.80	12.75	12.41	1.03	-1.03	-1.27
Akr1a4	Aldo-keto reductase family 1, member A4 (aldehyde reductase)	58810	2.10E-03	12.82	12.62	12.42	12.50	-1.15	-1.15	1.06
Akr1a4	Aldo-keto reductase family 1, member A4 (aldehyde reductase)	58810	1.59E-02	13.35	12.92	12.81	13.00	-1.35	-1.08	1.14
Fam123a	Family with sequence similarity 123, member A	72125	3.39E-06	7.70	7.76	7.75	7.69	1.05	-1.01	-1.04
Fam123a	Family with sequence similarity 123, member A	72125	4.86E-05	8.62	8.94	8.57	8.44	1.24	-1.29	-1.10
Aldh1b1	Aldehyde dehydrogenase 1 family, member B1	72535	8.39E-07	9.63	8.90	8.51	8.50	-1.65	-1.32	-1.01
Gulo	Gulonolactone (L-) oxidase	268756	2.29E-04	7.90	7.86	8.11	8.06	-1.03	1.18	-1.03

PMD3 = Primordial Follicles (Day 3 Ovaries)

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PRI = Primary Follicles

2LS = Two-Layer Secondary Follicles