

Center*	Processing Prefix	Std Array #	Image Analysis Software	Results Filename	Cy3 Sample	Cy5 Sample	Uniform Inhouse Results Filename
1	ST	1	Genepix	MO17K_04_027_Pool A3_A5.gpr	Liver5	Pool	ST1_1.txt
1	ST	2	Genepix	MO17K_04_029_Pool A3_A5.gpr	Liver5	Pool	ST2_1.txt
1	ST	3	Genepix	MO17K_04_001_A5_Pool A3.gpr	Pool	Liver5	ST3_1.txt
1	ST	4	Genepix	MO17K_04_006_A5_Pool A3.gpr	Pool	Liver5	ST4_1.txt
1	ST	5	Genepix	MO17K_04_004_A5_A3.gpr	Liver3	Liver5	ST5_1.txt
1	ST	6	Genepix	MO17K_04_028_A5_A3.gpr	Liver3	Liver5	ST6_1.txt
1	ST	7	Genepix	MO17K_04_005_A3_A5.gpr	Liver5	Liver3	ST7_1.txt
1	ST	8	Genepix	MO17K_04_032_A3_A5.gpr	Liver5	Liver3	ST8_1.txt
2	ST	1	Genepix	2002-11-05_Duke5_realigned.gpr	Liver5	Pool	ST1_2.txt
2	ST	2	Genepix	2002-11-05_Duke6_Cy3Liver5_Cy5Pool.gpr	Liver5	Pool	ST2_2.txt
2	ST	3	Genepix	2002-10-24_NewDuke1.3-Cy3PoolCy5LA5.gpr	Pool	Liver5	ST3_2.txt
2	ST	4	Genepix	2002-10-24_NewDuke1.4-Cy3PoolCy5LA5.gpr	Pool	Liver5	ST4_2.txt
2	ST	5	Genepix	2002-11-05_Duke1_realigned.gpr	Liver3	Liver5	ST5_2.txt
2	ST	6	Genepix	2002-11-05_Duke2_realigned.gpr	Liver3	Liver5	ST6_2.txt
2	ST	7	Genepix	2002-11-05_Duke7_realigned.gpr	Liver5	Liver3	ST7_2.txt
2	ST	8	Genepix	2002-11-05_Duke8_Cy3Liver5_Cy5Liver3.gpr	Liver5	Liver3	ST8_2.txt
3	ST	1	Genepix	Duke093_1_1_1_.gpr	Liver5	Pool	ST1_3.txt
3	ST	2	Genepix	Duke094_1_1_1_.gpr	Liver5	Pool	ST2_3.txt
3	ST	3	Genepix	Duke097_1_1_1_.gpr	Pool	Liver5	ST3_3.txt
3	ST	4	Genepix	Duke098_1_1_1_.gpr	Pool	Liver5	ST4_3.txt
3	ST	5	Genepix	Duke095_1_1_1_.gpr	Liver3	Liver5	ST5_3.txt
3	ST	6	Genepix	Duke096_1_1_1_.gpr	Liver3	Liver5	ST6_3.txt
3	ST	7	Genepix	Duke091_1_1_1_.gpr	Liver5	Liver3	ST7_3.txt
3	ST	8	Genepix	Duke092_1_1_1_.gpr	Liver5	Liver3	ST8_3.txt
4	ST	1	ArraySuite	pDU4s83_si_fci_jl.txt	Liver5	Pool	ST1_4.txt
4	ST	2	ArraySuite	pDU4s84_si_fci_jl.txt	Liver5	Pool	ST2_4.txt
4	ST	3	ArraySuite	pDU4s81_si_fci_jl.txt	Pool	Liver5	ST3_4.txt
4	ST	4	ArraySuite	pDU4s82_si_fci_jl.txt	Pool	Liver5	ST4_4.txt
4	ST	5	ArraySuite	pDU4s76_si_fci_jl.txt	Liver3	Liver5	ST5_4.txt
4	ST	6	ArraySuite	pDU4s77_si_fci_jl.txt	Liver3	Liver5	ST6_4.txt
4	ST	7	ArraySuite	pDU4s78_si_fci_jl.txt	Liver5	Liver3	ST7_4.txt
4	ST	8	ArraySuite	pDU4s80_si_fci_jl.txt	Liver5	Liver3	ST8_4.txt
5	ST	1	Quantarray	TRCP73.txt	Liver3	Pool	ST1_5.txt
5	ST	2	Quantarray	TRCP74.txt	Liver3	Pool	ST2_5.txt
5	ST	3	Quantarray	TRCP71.txt	Pool	Liver3	ST3_5.txt
5	ST	4	Quantarray	TRCP72.txt	Pool	Liver3	ST4_5.txt
5	ST	5	Quantarray	TRCP86.txt	Liver3	Liver5	ST5_5.txt
5	ST	6	Quantarray	TRCP87.txt	Liver3	Liver5	ST6_5.txt
5	ST	7	Quantarray	TRCP88.txt	Liver5	Liver3	ST7_5.txt
5	ST	8	Quantarray	TRCP89.txt	Liver5	Liver3	ST8_5.txt
6	ST	1	Genepix	UNC_ST_EXP_1_DUKE_7.gpr	Liver5	Pool	ST1_6.txt
6	ST	2	Genepix	UNC_ST_EXP_1_DUKE_8.gpr	Liver5	Pool	ST2_6.txt
6	ST	3	Genepix	UNC_ST_EXP_1_DUKE_5.gpr	Pool	Liver5	ST3_6.txt
6	ST	4	Genepix	UNC_ST_EXP_1_DUKE_6.gpr	Pool	Liver5	ST4_6.txt
6	ST	5	Genepix	UNC_ST_EXP_1_DUKE_1.gpr	Liver3	Liver5	ST5_6.txt
6	ST	6	Genepix	UNC_ST_EXP_1_DUKE_2.gpr	Liver3	Liver5	ST6_6.txt
6	ST	7	Genepix	UNC_ST_EXP_1_DUKE_3.gpr	Liver5	Liver3	ST7_6.txt
6	ST	8	Genepix	UNC_ST_EXP_1_DUKE_4.gpr	Liver5	Liver3	ST8_6.txt
7a	ST	1	Spot	TRC_UWA_053_081303redone.txt	Liver5	Pool	ST1_7a.txt
7a	ST	2	Spot	TRC-Duke-oligo-PS4-061.spot	Liver5	Pool	ST2_7a.txt
7a	ST	3	Spot	TRC-Duke-oligo-PS4-054-B.spot	Pool	Liver5	ST3_7a.txt
7a	ST	4	Spot	TRC-Duke-oligo-PS4-062-B.spot	Pool	Liver5	ST4_7a.txt
7b	ST	1	Spot	TRC-Duke-oligo-PS4-051.spot	Liver3	Pool	ST1_7b.txt
7b	ST	2	Spot	TRC-Duke-oligo-PS4-055.spot	Liver3	Pool	ST2_7b.txt
7b	ST	3	Spot	TRC-Duke-oligo-PS4-052C.spot	Pool	Liver3	ST3_7b.txt
7b	ST	4	Spot	TRC-Duke-oligo-PS4-058-C.spot	Pool	Liver3	ST4_7b.txt

Notes: \* Center 5 used liver3 sample on the liver/pooled arrays

\* Center 7 contributed 2 sets of Liver/Pooled arrays - one hybridized with liver5 (7a) the other with liver3 (7b)

Blue text is for regridded versions of "problem arrays" - updated from UNC spreadsheet Arrays\_with\_grid\_problems3.xls

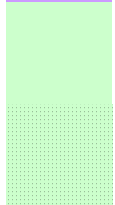
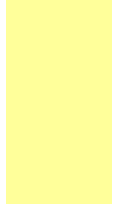
Center*	Chip and Image Processing Prefix	Std Array #	Geneplex Results Filename	Cy3 Sample	Cy5 Sample	Uniform Geneplex Results Filename
1	SG	1	Duke_PL_27_results.gpr	Liver5	Pool	SG1_1.txt
1	SG	2	Duke_PL_29_results.gpr	Liver5	Pool	SG2_1.txt
1	SG	3	MISSING	Pool	Liver5	SG3_1.txt
1	SG	4	Duke_LP_06_results.gpr	Pool	Liver5	SG4_1.txt
1	SG	5	Duke_LP_04_results.gpr	Liver3	Liver5	SG5_1.txt
1	SG	6	Duke_LL_28_results.gpr	Liver3	Liver5	SG6_1.txt
1	SG	7	Duke_LL_05_results.gpr	Liver5	Liver3	SG7_1.txt
1	SG	8	Duke_LL_32_results.gpr	Liver5	Liver3	SG8_1.txt
2	SG	1	FHCRC_PL_F5_results.gpr	Liver5	Pool	SG1_2.txt
2	SG	2	FHCRC_PL_F6_results.gpr	Liver5	Pool	SG2_2.txt
2	SG	3	FHCRC_LP_F3_results.gpr	Pool	Liver5	SG3_2.txt
2	SG	4	FHCRC_LP_F4_results.gpr	Pool	Liver5	SG4_2.txt
2	SG	5	FHCRC_LL_F1_results.gpr	Liver3	Liver5	SG5_2.txt
2	SG	6	FHCRC_LL_F2_results.gpr	Liver3	Liver5	SG6_2.txt
2	SG	7	FHCRC_LL_F7_results.gpr	Liver5	Liver3	SG7_2.txt
2	SG	8	FHCRC_LL_F8_results.gpr	Liver5	Liver3	SG8_2.txt
3	SG	1	MIT_PL_93_results.gpr	Liver5	Pool	SG1_3.txt
3	SG	2	MIT_PL_94_results.gpr	Liver5	Pool	SG2_3.txt
3	SG	3	Duke097_1_1_1_w685(2).gpr	Pool	Liver5	SG3_3.txt
3	SG	4	MIT_LP_98_results.gpr	Pool	Liver5	SG4_3.txt
3	SG	5	MIT_LL_95_results.gpr	Liver3	Liver5	SG5_3.txt
3	SG	6	MIT_LL_96_results.gpr	Liver3	Liver5	SG6_3.txt
3	SG	7	Duke091_1_1_1_w685(2).gpr	Liver5	Liver3	SG7_3.txt
3	SG	8	MIT_LL_92_results.gpr	Liver5	Liver3	SG8_3.txt
4	SG	1	NCT_PL_83_results.gpr	Liver5	Pool	SG1_4.txt
4	SG	2	NCT_PL_84_results.gpr	Liver5	Pool	SG2_4.txt
4	SG	3	NCT_LP_81_results.gpr	Pool	Liver5	SG3_4.txt
4	SG	4	NCT_LP_82_results.gpr	Pool	Liver5	SG4_4.txt
4	SG	5	pDU4s76_635_nm(2).gpr	Liver3	Liver5	SG5_4.txt
4	SG	6	NCT_LL_77_results.gpr	Liver3	Liver5	SG6_4.txt
4	SG	7	NCT_LL_78_results.gpr	Liver5	Liver3	SG7_4.txt
4	SG	8	NCT_LL_80_results.gpr	Liver5	Liver3	SG8_4.txt
5	SG	1	OHSU_PL_73_results.gpr	Liver3	Pool	SG1_5.txt
5	SG	2	OHSU_PL_74_results.gpr	Liver3	Pool	SG2_5.txt
5	SG	3	OHSU_LP_71_results.gpr	Pool	Liver3	SG3_5.txt
5	SG	4	OHSU_LP_72_results.gpr	Pool	Liver3	SG4_5.txt
5	SG	5	OHSU_LL_86_results.gpr	Liver3	Liver5	SG5_5.txt
5	SG	6	OHSU_LL_87_results.gpr	Liver3	Liver5	SG6_5.txt
5	SG	7	OHSU_LL_88_results.gpr	Liver5	Liver3	SG7_5.txt
5	SG	8	OHSU_LL_89_results.gpr	Liver5	Liver3	SG8_5.txt
6	SG	1	UNC_PL_U7_results.gpr	Liver5	Pool	SG1_6.txt
6	SG	2	UNC_PL_U8_results.gpr	Liver5	Pool	SG2_6.txt
6	SG	3	UNC_LP_U5_results.gpr	Pool	Liver5	SG3_6.txt
6	SG	4	UNC_LP_U6_results.gpr	Pool	Liver5	SG4_6.txt
6	SG	5	UNC_LL_U1_results.gpr	Liver3	Liver5	SG5_6.txt
6	SG	6	UNC_ST_EXP_1_DUKE_2_R(36).gpr	Liver3	Liver5	SG6_6.txt
6	SG	7	UNC_LL_U3_results.gpr	Liver5	Liver3	SG7_6.txt
6	SG	8	UNC_ST_EXP_1_DUKE_4_R(42).gpr	Liver5	Liver3	SG8_6.txt
7a	SG	1	Wash_PL_51_results.gpr	Liver5	Pool	SG1_7a.txt
7a	SG	2	Wash_PL_55_results.gpr	Liver5	Pool	SG2_7a.txt
7a	SG	3	Wash_LP_52_results.gpr	Pool	Liver5	SG3_7a.txt
7a	SG	4	Wash_LP_58_results.gpr	Pool	Liver5	SG4_7a.txt
7b	SG	1	Wash_PL_53_results.gpr	Liver3	Pool	SG1_7b.txt
7b	SG	2	Wash_PL_61_results.gpr	Liver3	Pool	SG2_7b.txt
7b	SG	3	Wash_LP_54_results.gpr	Pool	Liver3	SG3_7b.txt
7b	SG	4	Wash_LP_62_results.gpr	Pool	Liver3	SG4_7b.txt

\* Center key  
1 = Duke  
2 = Fred Hutch  
3 = MIT  
4 = NIEHS  
5 = OHSU  
6 = UNC  
7 = Washington (separate liver/no)

Notes: \* One array (Std Array #3) from Center 1 is missing.  
\* Center 5 used liver3 sample on the liver/pooled arrays  
\* Center 7 contributed 2 sets of Liver/Pooled arrays - one hybridized with liver5 (7a) the other with liver3 (7b)  
Blue text is for regrided versions of "problem arrays" - updated from UNC spreadsheet Arrays\_with\_grid\_problems3.xls



er key  
ke  
ed Hutch  
T  
EHS  
ISU  
IC  
ashington (7a, 7b prefixes used to label two  
ate liver/pooled experiments)



**Supplementary Table 10. File Format for Dataset D - Standard Commercial Array**

Lab	Chip and Image Processing Prefix	Array #	Platform Name	Image Analysis Software Used	Cy3 Sample	Cy5 Sample	Uniform Results Filename*
1	SA	1	Agilent ToxArray	Feature Extraction v.6.1.1	Liver5	Pool	SA1_1d.txt
1	SA	2	Agilent ToxArray	Feature Extraction v.6.1.1	Liver5	Pool	SA2_1d.txt
1	SA	3	Agilent ToxArray	Feature Extraction v.6.1.1	Pool	Liver5	SA3_1d.txt
1	SA	4	Agilent ToxArray	Feature Extraction v.6.1.1	Pool	Liver5	SA4_1d.txt
1	SA	5	Agilent ToxArray	Feature Extraction v.6.1.1	Liver3	Liver5	SA5_1d.txt
1	SA	6	Agilent ToxArray	Feature Extraction v.6.1.1	Liver3	Liver5	SA6_1d.txt
1	SA	7	Agilent ToxArray	Feature Extraction v.6.1.1	Liver5	Liver3	SA7_1d.txt
1	SA	8	Agilent ToxArray	Feature Extraction v.6.1.1	Liver5	Liver3	SA8_1d.txt
2	SA	1	Agilent ToxArray	Feature Extraction v.6.1.1	Liver5	Pool	SA1_2d.txt
2	SA	2	Agilent ToxArray	Feature Extraction v.6.1.1	Liver5	Pool	SA2_2d.txt
2	SA	3	Agilent ToxArray	Feature Extraction v.6.1.1	Pool	Liver5	SA3_2d.txt
2	SA	4	Agilent ToxArray	Feature Extraction v.6.1.1	Pool	Liver5	SA4_2d.txt
2	SA	5	Agilent ToxArray	Feature Extraction v.6.1.1	Liver3	Liver5	SA5_2d.txt
2	SA	6	Agilent ToxArray	Feature Extraction v.6.1.1	Liver3	Liver5	SA6_2d.txt
2	SA	7	Agilent ToxArray	Feature Extraction v.6.1.1	Liver5	Liver3	SA7_2d.txt
2	SA	8	Agilent ToxArray	Feature Extraction v.6.1.1	Liver5	Liver3	SA8_2d.txt
3	SA	1	Agilent ToxArray	Feature Extraction v.6.1.1	Liver5	Pool	SA1_3d.txt
3	SA	2	Agilent ToxArray	Feature Extraction v.6.1.1	Liver5	Pool	SA2_3d.txt
3	SA	3	Agilent ToxArray	Feature Extraction v.6.1.1	Pool	Liver5	SA3_3d.txt
3	SA	4	Agilent ToxArray	Feature Extraction v.6.1.1	Pool	Liver5	SA4_3d.txt
3	SA	5	Agilent ToxArray	Feature Extraction v.6.1.1	Liver3	Liver5	SA5_3d.txt
3	SA	6	Agilent ToxArray	Feature Extraction v.6.1.1	Liver3	Liver5	SA6_3d.txt
3	SA	7	Agilent ToxArray	Feature Extraction v.6.1.1	Liver5	Liver3	SA7_3d.txt
3	SA	8	Agilent ToxArray	Feature Extraction v.6.1.1	Liver5	Liver3	SA8_3d.txt
4	SA	1	Agilent ToxArray	Feature Extraction v.6.1.1	Liver5	Pool	SA1_4d.txt
4	SA	2	Agilent ToxArray	Feature Extraction v.6.1.1	Liver5	Pool	SA2_4d.txt
4	SA	3	Agilent ToxArray	Feature Extraction v.6.1.1	Pool	Liver5	SA3_4d.txt
4	SA	4	Agilent ToxArray	Feature Extraction v.6.1.1	Pool	Liver5	SA4_4d.txt
4	SA	5	Agilent ToxArray	Feature Extraction v.6.1.1	Liver3	Liver5	SA5_4d.txt
4	SA	6	Agilent ToxArray	Feature Extraction v.6.1.1	Liver3	Liver5	SA6_4d.txt
4	SA	7	Agilent ToxArray	Feature Extraction v.6.1.1	Liver5	Liver3	SA7_4d.txt

4	SA	8	Agilent ToxArray	Feature Extraction v.6.1.1	Liver5	Liver3	<b>SA8_4d.txt</b>
5	SA	1	Agilent ToxArray	Feature Extraction v.6.1.1	Liver5	Pool	<b>SA1_5d.txt</b>
5	SA	2	Agilent ToxArray	Feature Extraction v.6.1.1	Liver5	Pool	<b>SA2_5d.txt</b>
5	SA	3	Agilent ToxArray	Feature Extraction v.6.1.1	Pool	Liver5	<b>SA3_5d.txt</b>
5	SA	4	Agilent ToxArray	Feature Extraction v.6.1.1	Pool	Liver5	<b>SA4_5d.txt</b>
5	SA	5	Agilent ToxArray	Feature Extraction v.6.1.1	Liver3	Liver5	<b>SA5_5d.txt</b>
5	SA	6	Agilent ToxArray	Feature Extraction v.6.1.1	Liver3	Liver5	<b>SA6_5d.txt</b>
5	SA	7	Agilent ToxArray	Feature Extraction v.6.1.1	Liver5	Liver3	<b>SA7_5d.txt</b>
5	SA	8	Agilent ToxArray	Feature Extraction v.6.1.1	Liver5	Liver3	<b>SA8_5d.txt</b>

6	SA	1	Agilent ToxArray	Feature Extraction v.6.1.1	Liver5	Pool	SA1_6d.txt
6	SA	2	Agilent ToxArray	Feature Extraction v.6.1.1	Liver5	Pool	SA2_6d.txt
6	SA	3	Agilent ToxArray	Feature Extraction v.6.1.1	Pool	Liver5	SA3_6d.txt
6	SA	4	Agilent ToxArray	Feature Extraction v.6.1.1	Pool	Liver5	SA4_6d.txt
6	SA	5	Agilent ToxArray	Feature Extraction v.6.1.1	Liver3	Liver5	SA5_6d.txt
6	SA	6	Agilent ToxArray	Feature Extraction v.6.1.1	Liver3	Liver5	SA6_6d.txt
6	SA	7	Agilent ToxArray	Feature Extraction v.6.1.1	Liver5	Liver3	SA7_6d.txt
6	SA	8	Agilent ToxArray	Feature Extraction v.6.1.1	Liver5	Liver3	SA8_6d.txt
7	SA	1	Agilent ToxArray	Feature Extraction v.6.1.1	Liver5	Pool	SA1_7d.txt
7	SA	2	Agilent ToxArray	Feature Extraction v.6.1.1	Liver5	Pool	SA2_7d.txt
7	SA	3	Agilent ToxArray	Feature Extraction v.6.1.1	Pool	Liver5	SA3_7d.txt
7	SA	4	Agilent ToxArray	Feature Extraction v.6.1.1	Pool	Liver5	SA4_7d.txt
7	SA	5	Agilent ToxArray	Feature Extraction v.6.1.1	Liver3	Liver5	SA5_7d.txt
7	SA	6	Agilent ToxArray	Feature Extraction v.6.1.1	Liver3	Liver5	SA6_7d.txt
7	SA	7	Agilent ToxArray	Feature Extraction v.6.1.1	Liver5	Liver3	SA7_7d.txt
7	SA	8	Agilent ToxArray	Feature Extraction v.6.1.1	Liver5	Liver3	SA8_7d.txt
8	SA	1	Agilent ToxArray	Feature Extraction v.6.1.1	Liver5	Pool	SA1_8d.txt
8	SA	2	Agilent ToxArray	Feature Extraction v.6.1.1	Liver5	Pool	SA2_8d.txt
8	SA	3	Agilent ToxArray	Feature Extraction v.6.1.1	Pool	Liver5	SA3_8d.txt
8	SA	4	Agilent ToxArray	Feature Extraction v.6.1.1	Pool	Liver5	SA4_8d.txt
8	SA	5	Agilent ToxArray	Feature Extraction v.6.1.1	Liver3	Liver5	SA5_8d.txt
8	SA	6	Agilent ToxArray	Feature Extraction v.6.1.1	Liver3	Liver5	SA6_8d.txt
8	SA	7	Agilent ToxArray	Feature Extraction v.6.1.1	Liver5	Liver3	SA7_8d.txt
8	SA	8	Agilent ToxArray	Feature Extraction v.6.1.1	Liver5	Liver3	SA8_8d.txt

\* SA1 = first (of four) hybridizations using the common (standard) commercial array; SA1\_1 = first (of four) hybridizations using the standard commercial array at lab 1.

Note that each of 8 labs performed a total of 8 hybridizations: 4 hybridizations for LvP and 4 hybridizations for LvsL with dye reversals.