

**Supplementary Table 11. File Format for Resident Arrays (Commercial and Non-Commercial)**

Lab*	Chip and Image Processing Prefix	Resident Array #	Platform Type**	Image Analysis Software	Cy3 Sample	Cy5 Sample	Uniform Resident Results Filename
1	R	1	cDNA	Genepix	Liver5	Pool	R1_1a.txt
1	R	2	cDNA	Genepix	Liver5	Pool	R2_1a.txt
1	R	3	cDNA	Genepix	Pool	Liver5	R3_1a.txt
1	R	4	cDNA	Genepix	Pool	Liver5	R4_1a.txt
1	R	5	cDNA	Genepix	Liver3	Liver5	R5_1a.txt
1	R	6	cDNA	Genepix	Liver3	Liver5	R6_1a.txt
1	R	7	cDNA	Genepix	Liver5	Liver3	R7_1a.txt
1	R	8	cDNA	Genepix	Liver5	Liver3	R8_1a.txt
2	R	1	oligo	Genepix	Liver5	Pool	R1_2b.txt
2	R	2	oligo	Genepix	Liver5	Pool	R2_2b.txt
2	R	3	oligo	Genepix	Pool	Liver5	R3_2b.txt
2	R	4	oligo	Genepix	Pool	Liver5	R4_2b.txt
2	R	5	oligo	Genepix	Liver3	Liver5	R5_2b.txt
2	R	6	oligo	Genepix	Liver3	Liver5	R6_2b.txt
2	R	7	oligo	Genepix	Liver5	Liver3	R7_2b.txt
2	R	8	oligo	Genepix	Liver5	Liver3	R8_2b.txt
2	R	1	Agilent (developmental array	Genepix	Liver5	Pool	R1_2d.txt
2	R	2	Agilent (developmental array	Genepix	Liver5	Pool	R2_2d.txt
2	R	3	Agilent (developmental array	Genepix	Pool	Liver5	R3_2d.txt
2	R	4	Agilent (developmental array	Genepix	Pool	Liver5	R4_2d.txt
2	R	5	Agilent (developmental array	Genepix	Liver3	Liver5	R5_2d.txt
2	R	6	Agilent (developmental array	Genepix	Liver3	Liver5	R6_2d.txt
2	R	7	Agilent (developmental array	Genepix	Liver5	Liver3	R7_2d.txt
2	R	8	Agilent (developmental array	Genepix	Liver5	Liver3	R8_2d.txt
2	R	1	Affymetrix			Liver5	R1_2c.txt
2	R	2	Affymetrix			Liver5	R2_2c.txt
2	R	3	Affymetrix			Pool	R3_2c.txt
2	R	4	Affymetrix			Pool	R4_2c.txt
3	R	1	cDNA	MolecularWare	Liver5	Pool	R1_3b.txt
3	R	2	cDNA	MolecularWare	Liver5	Pool	R2_3b.txt
3	R	3	cDNA	MolecularWare	Pool	Liver5	R3_3b.txt
3	R	4	cDNA	MolecularWare	Pool	Liver5	R4_3b.txt
3	R	5	cDNA	MolecularWare	Liver3	Liver5	R5_3b.txt
3	R	6	cDNA	MolecularWare	Liver3	Liver5	R6_3b.txt
3	R	7	cDNA	MolecularWare	Liver5	Liver3	R7_3b.txt
3	R	8	cDNA	MolecularWare	Liver5	Liver3	R8_3b.txt

3	R	1	Agilent (developmental array)		Liver5	Pool	R1_3d.txt
3	R	2	Agilent (developmental array)		Liver5	Pool	R2_3d.txt
3	R	3	Agilent (developmental array)		Pool	Liver5	R3_3d.txt
3	R	4	Agilent (developmental array)		Pool	Liver5	R4_3d.txt
3	R	5	Agilent (developmental array)		Liver3	Liver5	R5_3d.txt
3	R	6	Agilent (developmental array)		Liver3	Liver5	R6_3d.txt
3	R	7	Agilent (developmental array)		Liver5	Liver3	R7_3d.txt
3	R	8	Agilent (developmental array)		Liver5	Liver3	R8_3d.txt
3	R	1	Affymetrix			Liver5	R1_3c.txt
3	R	2	Affymetrix			Liver5	R2_3c.txt
3	R	3	Affymetrix			Pool	R3_3c.txt
3	R	4	Affymetrix			Pool	R4_3c.txt
4	R	1	Oligo	ArraySuite	Liver5	Pool	R1_4a.txt
4	R	2	Oligo	ArraySuite	Liver5	Pool	R2_4a.txt
4	R	3	Oligo	ArraySuite	Pool	Liver5	R3_4a.txt
4	R	4	Oligo	ArraySuite	Pool	Liver5	R4_4a.txt
4	R	5	Oligo	ArraySuite	Liver3	Liver5	R5_4a.txt
4	R	6	Oligo	ArraySuite	Liver3	Liver5	R6_4a.txt
4	R	7	Oligo	ArraySuite	Liver5	Liver3	R7_4a.txt
4	R	8	Oligo	ArraySuite	Liver5	Liver3	R8_4a.txt
5	R	1	cDNA	Quantarray*	Liver3	Pool	R1_5b.txt
5	R	2	cDNA	Quantarray*	Liver3	Pool	R2_5b.txt
5	R	3	cDNA	Quantarray*	Pool	Liver3	R3_5b.txt
5	R	4	cDNA	Quantarray*	Pool	Liver3	R4_5b.txt
5	R	5	cDNA	Quantarray*	Liver3	Liver5	R5_5b.txt
5	R	6	cDNA	Quantarray*	Liver3	Liver5	R6_5b.txt
5	R	7	cDNA	Quantarray*	Liver5	Liver3	R7_5b.txt
5	R	8	cDNA	Quantarray*	Liver5	Liver3	R8_5b.txt
6	R	1	Oligo	Genepix	Liver5	Pool	R1_6a.txt
6	R	2	Oligo	Genepix	Liver5	Pool	R2_6a.txt
6	R	3	Oligo	Genepix	Pool	Liver5	R3_6a.txt
6	R	4	Oligo	Genepix	Pool	Liver5	R4_6a.txt
6	R	5	Oligo	Genepix	Liver3	Liver5	R5_6a.txt
6	R	6	Oligo	Genepix	Liver3	Liver5	R6_6a.txt
6	R	7	Oligo	Genepix	Liver5	Liver3	R7_6a.txt
6	R	8	Oligo	Genepix	Liver5	Liver3	R8_6a.txt
7	R	1	cDNA	Spot	Liver5	Pool	R1_7b.txt
7	R	2	cDNA	Spot	Liver5	Pool	R2_7b.txt
7	R	3	cDNA	Spot	Pool	Liver5	R3_7b.txt
7	R	4	cDNA	Spot	Pool	Liver5	R4_7b.txt
7	R	5	cDNA	Spot	Liver3	Liver5	R5_7b.txt
7	R	6	cDNA	Spot	Liver3	Liver5	R6_7b.txt
7	R	7	cDNA	Spot	Liver5	Liver3	R7_7b.txt

7	R	8	cDNA	Spot	Liver5	Liver3	<b>R8_7b.txt</b>
7	R	1	CodeLink	Imagene (Codelink)		Liver5	<b>R1_7e.txt</b>
7	R	2	CodeLink	Imagene (Codelink)		Liver5	<b>R2_7e.txt</b>
7	R	3	CodeLink	Imagene (Codelink)		Pool	<b>R3_7e.txt</b>
7	R	4	CodeLink	Imagene (Codelink)		Pool	<b>R4_7e.txt</b>
7	R	9	CodeLink	Imagene (Codelink)		Liver3	<b>R9_7e.txt</b>
7	R	10	CodeLink	Imagene (Codelink)		Liver3	<b>R10_7e.txt</b>
7	R	11	CodeLink	Imagene (Codelink)		Liver3	<b>R11_7e.txt</b>
7	R	12	CodeLink	Imagene (Codelink)		Liver3	<b>R12_7e.txt</b>
7	R	13	CodeLink	Imagene (Codelink)		Liver5	<b>R13_7e.txt</b>
7	R	14	CodeLink	Imagene (Codelink)		Liver5	<b>R14_7e.txt</b>
7	R	15	CodeLink	Imagene (Codelink)		Pool	<b>R15_7e.txt</b>
7	R	16	CodeLink	Imagene (Codelink)		Pool	<b>R16_7e.txt</b>

8	R	1	Agilent ToxChip		Liver3	Pool	<b>R1_8d.txt</b>
8	R	2	Agilent ToxChip		Liver3	Pool	<b>R2_8d.txt</b>
8	R	3	Agilent ToxChip		Pool	Liver5	<b>R3_8d.txt</b>
8	R	4	Agilent ToxChip		Pool	Liver5	<b>R4_8d.txt</b>
8	R	5	Agilent ToxChip		Liver3	Liver5	<b>R5_8d.txt</b>
8	R	6	Agilent ToxChip		Liver3	Liver5	<b>R6_8d.txt</b>
8	R	7	Agilent ToxChip		Liver5	Liver3	<b>R7_8d.txt</b>
8	R	8	Agilent ToxChip		Liver5	Liver3	<b>R8_8d.txt</b>

\* Lab 8 hybridized the Liver3 sample with Pooled on arrays 1 and 2, and the Pool with Liver5 sample on arrays 3 and 4.

\*\* See Figure 1 of paper for description of resident arrays