RsppSIDx6008xpIND4 versus RsppSIDx6007xWT2x4x1

BiOLOG

21124 Cabot Blvd.

Hayward, CA 94545

Phenotype MicroArray Analysis

Test: Rspp\_SID\_6008\_pIND4

Reference: Rspp\_SID\_6007\_WT2.4.1

Report Date: 11/23/2010 5:22:08 PM

Reproducibiltiy Analysis:

Test Reference

PMXX:#Wells: Status PMXX:#Wells: Status #Wells = count of outlying wells

PM01: 00: passes PM01: 00: passes

PM02: 00: passes PM02: 01: passes

PM03: 00: passes PM03: 01: passes

PM04: 00: passes PM04: 00: passes

PM05: 00: passes PM05: 00: passes

PM06: 00: passes PM06: 00: passes

PM07: 00: passes PM07: 00: passes

PM08: 00: passes PM08: 01: passes

PM09: 00: passes PM09: 00: passes

PM10: 00: passes PM10: 00: passes

PM11: 00: passes PM11: 00: passes

PM12: 00: passes PM12: 00: passes

PM13: 00: passes PM13: 00: passes

PM14: 00: passes PM14: 00: passes

PM15: 00: passes PM15: 00: passes

PM16: 00: passes PM16: 00: passes

PM17: 00: passes PM17: 00: passes

PM18: 00: passes PM18: 00: passes

PM19: 00: passes PM19: 00: passes

PM20: 00: passes PM20: 00: passes

PM21: -1: N/A PM21: -1: N/A

PM22: -1: N/A PM22: -1: N/A

PM23: -1: N/A PM23: -1: N/A

PM24: -1: N/A PM24: -1: N/A

PM25: -1: N/A PM25: -1: N/A

PM26: -1: N/A PM26: -1: N/A

PM27: -1: N/A PM27: -1: N/A

PM28: -1: N/A PM28: -1: N/A

PM29: -1: N/A PM29: -1: N/A

PM30: -1: N/A PM30: -1: N/A

PM31: -1: N/A PM31: -1: N/A

PM32: -1: N/A PM32: -1: N/A

PM33: -1: N/A PM33: -1: N/A

PM34: -1: N/A PM34: -1: N/A

PM35: -1: N/A PM35: -1: N/A

PM36: -1: N/A PM36: -1: N/A

PM37: -1: N/A PM37: -1: N/A

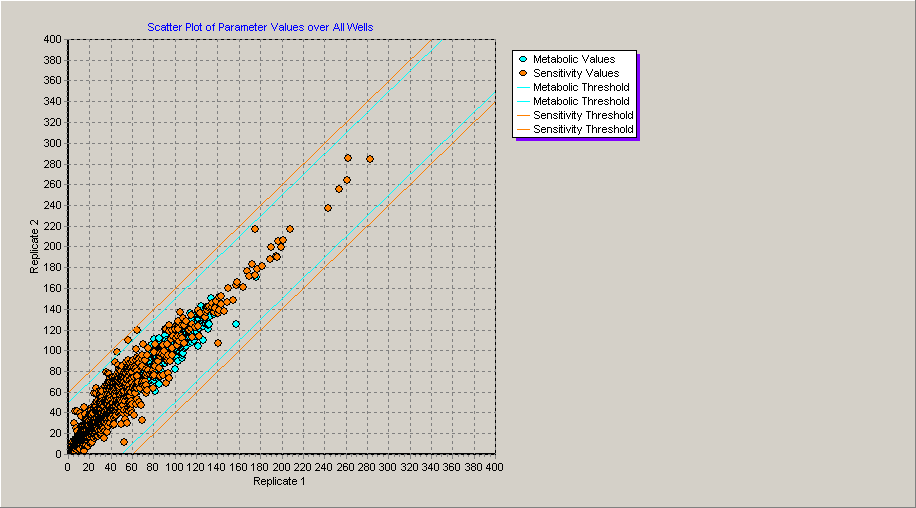
PM38: -1: N/A PM38: -1: N/A

PM39: -1: N/A PM39: -1: N/A

PM40: -1: N/A PM40: -1: N/A

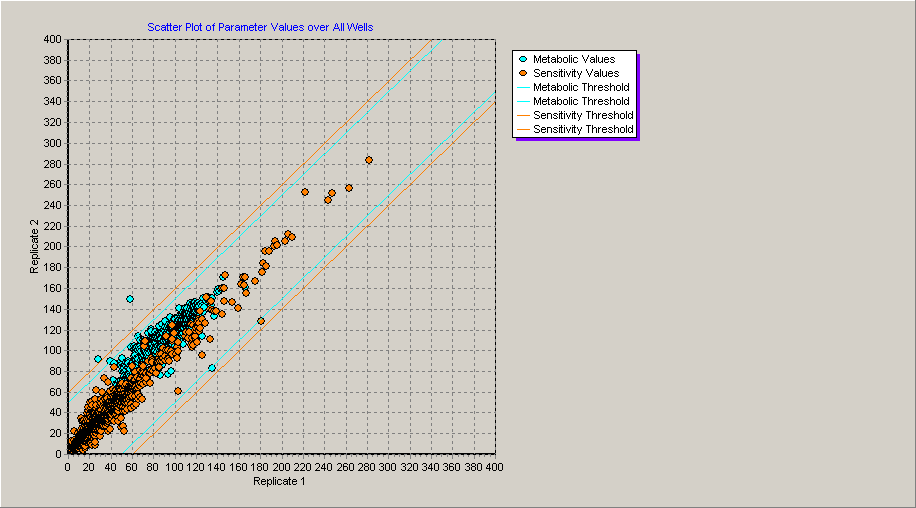
Replicate 1 versus Replicate 2 of Test:

Rspp\_SID\_6008\_pIND4



Replicate 1 versus Replicate 2 of Reference:

Rspp\_SID\_6007\_WT2.4.1

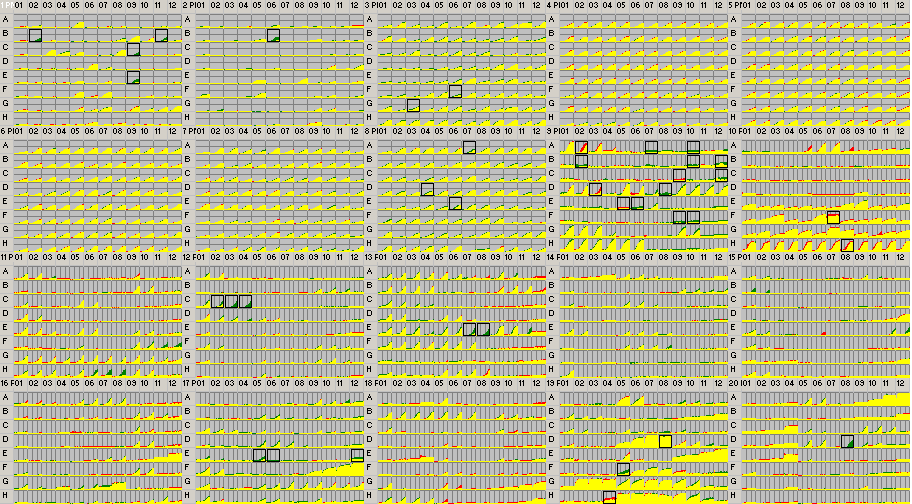


Run 1:

Rspp\_SID\_6008\_pIND4( green )

versus

Rspp\_SID\_6007\_WT2.4.1( red )

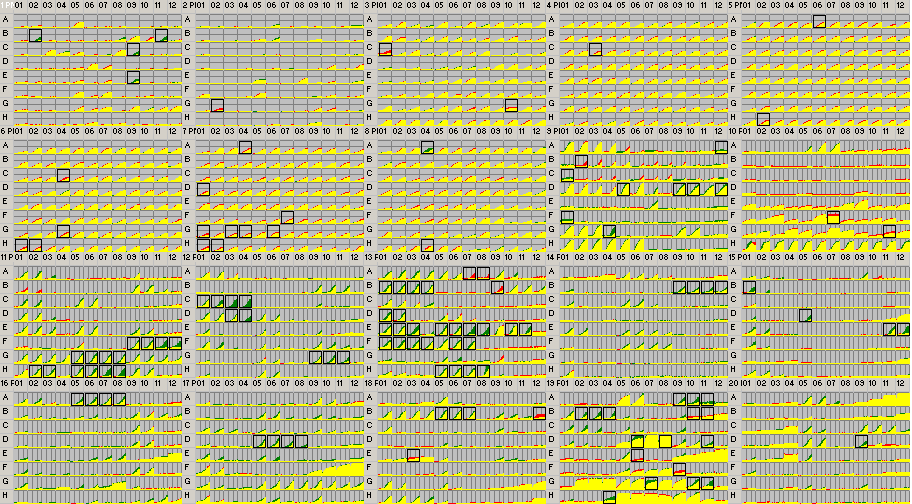


Run 2:

Rspp\_SID\_6008\_pIND4( green )

versus

Rspp\_SID\_6007\_WT2.4.1( red )

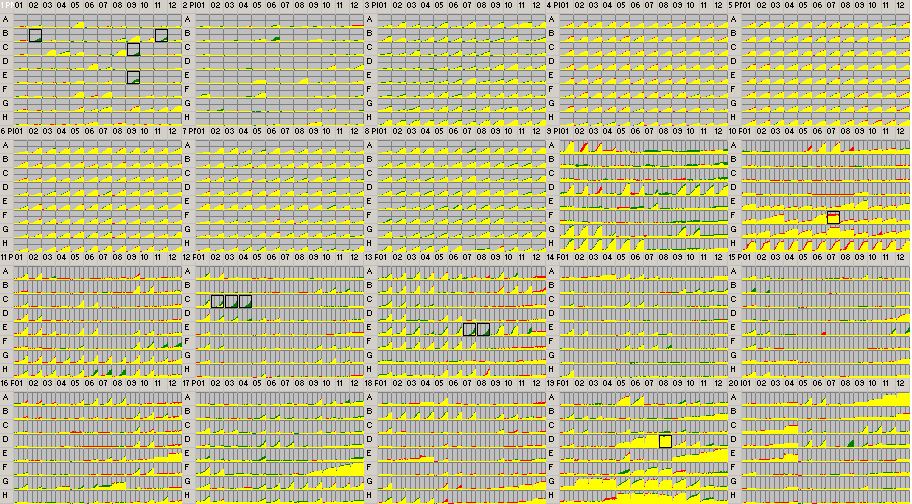


Consensus:

Rspp\_SID\_6008\_pIND4( green )

versus

Rspp\_SID\_6007\_WT2.4.1( red )



PM Report:

Rspp\_SID\_6008\_pIND4\_

versus

Rspp\_SID\_6007\_WT2.4.1\_

Phenotypes Gained:

PM01 E09 48 Adonitol C-source

PM01 B11 40 D-Mannitol C-source

PM01 B02 33 D-Sorbitol C-source

PM01 C09 33 a-D-Glucose C-source

PM12B C02,C03,C04 77 Paromomycin protein synthesis, aminoglycoside

PM13B E07,E08 53 Geneticin (G418) protein synthesis, aminoglycoside

PM19 D08 40 Iodonitro Tetrazolium Violet respiration

Phenotypes Lost:

PM10 F07 -37 pH 9.5 + L-Tyrosine pH, deaminase

Appendix:

Carbon and Nutrient Max Read Hour: 024

Nitrogen, Phosphorus, Sulfur Max Read Hour: 024

Sensitivity Max Read Hour: 072

Metabolic Distance Threshold: 025

Sensitivity Distance Threshold: 025

Test Data Files:

Replicate 1:

PM01 : J:\Service\Customer\3\ShID\_434\data\assay\8463\rspp\_SIDx6008xpIND4\_\_\_1\_30\_463\_209\_Novx18x2010\_B\_05A.oka

Replicate 2:

PM01 : J:\Service\Customer\3\ShID\_434\data\assay\8430\rspp\_SIDx6008xpIND4xRPS\_\_\_1\_30\_430\_209\_Novx05x2010\_B\_11A.oka

Replicate 1:

PM02A: J:\Service\Customer\3\ShID\_434\data\assay\8430\rspp\_SIDx6008xpIND4xRPS\_\_\_2\_30\_430\_209\_Novx05x2010\_B\_11B.oka

Replicate 2:

PM02A: J:\Service\Customer\3\ShID\_434\data\assay\8463\rspp\_SIDx6008xpIND4\_\_\_2\_30\_463\_209\_Novx18x2010\_B\_05B.oka

Replicate 1:

PM03B: J:\Service\Customer\3\ShID\_434\data\assay\8463\rspp\_SIDx6008xpIND4\_\_\_3\_30\_463\_209\_Novx18x2010\_B\_06A.oka

Replicate 2:

PM03B: J:\Service\Customer\3\ShID\_434\data\assay\8430\rspp\_SIDx6008xpIND4xRPS\_\_\_3\_30\_430\_209\_Novx05x2010\_B\_12A.oka

Replicate 1:

PM04A: J:\Service\Customer\3\ShID\_434\data\assay\8463\rspp\_SIDx6008xpIND4\_\_\_4\_30\_463\_209\_Novx18x2010\_B\_06B.oka

Replicate 2:

PM04A: J:\Service\Customer\3\ShID\_434\data\assay\8430\rspp\_SIDx6008xpIND4xRPS\_\_\_4\_30\_430\_209\_Novx05x2010\_B\_12B.oka

Replicate 1:

PM05 : J:\Service\Customer\3\ShID\_434\data\assay\8430\rspp\_SIDx6008xpIND4xRPS\_\_\_5\_30\_430\_209\_Novx05x2010\_B\_13A.oka

Replicate 2:

PM05 : J:\Service\Customer\3\ShID\_434\data\assay\8463\rspp\_SIDx6008xpIND4\_\_\_5\_30\_463\_209\_Novx18x2010\_B\_07A.oka

Replicate 1:

PM06 : J:\Service\Customer\3\ShID\_434\data\assay\8463\rspp\_SIDx6008xpIND4\_\_\_6\_30\_463\_209\_Novx18x2010\_B\_07B.oka

Replicate 2:

PM06 : J:\Service\Customer\3\ShID\_434\data\assay\8430\rspp\_SIDx6008xpIND4xRPS\_\_\_6\_30\_430\_209\_Novx05x2010\_B\_13B.oka

Replicate 1:

PM07 : J:\Service\Customer\3\ShID\_434\data\assay\8463\rspp\_SIDx6008xpIND4\_\_\_7\_30\_463\_209\_Novx18x2010\_B\_08A.oka

Replicate 2:

PM07 : J:\Service\Customer\3\ShID\_434\data\assay\8430\rspp\_SIDx6008xpIND4xRPS\_\_\_7\_30\_430\_209\_Novx05x2010\_B\_14A.oka

Replicate 1:

PM08 : J:\Service\Customer\3\ShID\_434\data\assay\8430\rspp\_SIDx6008xpIND4xRPS\_\_\_8\_30\_430\_209\_Novx05x2010\_B\_14B.oka

Replicate 2:

PM08 : J:\Service\Customer\3\ShID\_434\data\assay\8463\rspp\_SIDx6008xpIND4\_\_\_8\_30\_463\_209\_Novx18x2010\_B\_08B.oka

Replicate 1:

PM09 : J:\Service\Customer\3\ShID\_434\data\assay\8433\rspp\_SIDx6008xpIND4\_\_\_9\_30\_343\_209\_Novx09x2010\_B\_15A.oka

Replicate 2:

PM09 : J:\Service\Customer\3\ShID\_434\data\assay\8430\rspp\_SIDx6008xpIND4xRPS\_\_\_9\_30\_430\_209\_Novx05x2010\_B\_15A.oka

Replicate 1:

PM10 : J:\Service\Customer\3\ShID\_434\data\assay\8433\rspp\_SIDx6008xpIND4\_\_\_10\_30\_343\_209\_Novx09x2010\_B\_15B.oka

Replicate 2:

PM10 : J:\Service\Customer\3\ShID\_434\data\assay\8430\rspp\_SIDx6008xpIND4xRPS\_\_\_10\_30\_430\_209\_Novx05x2010\_B\_15B.oka

Replicate 1:

PM11C: J:\Service\Customer\3\ShID\_434\data\assay\8433\rspp\_SIDx6008xpIND4\_\_\_11\_30\_343\_209\_Novx09x2010\_B\_16A.oka

Replicate 2:

PM11C: J:\Service\Customer\3\ShID\_434\data\assay\8430\rspp\_SIDx6008xpIND4xRPS\_\_\_11\_30\_430\_209\_Novx05x2010\_B\_16A.oka

Replicate 1:

PM12B: J:\Service\Customer\3\ShID\_434\data\assay\8433\rspp\_SIDx6008xpIND4\_\_\_12\_30\_343\_209\_Novx09x2010\_B\_16B.oka

Replicate 2:

PM12B: J:\Service\Customer\3\ShID\_434\data\assay\8430\rspp\_SIDx6008xpIND4xRPS\_\_\_12\_30\_430\_209\_Novx05x2010\_B\_16B.oka

Replicate 1:

PM13B: J:\Service\Customer\3\ShID\_434\data\assay\8433\rspp\_SIDx6008xpIND4\_\_\_13\_30\_343\_209\_Novx09x2010\_B\_17A.oka

Replicate 2:

PM13B: J:\Service\Customer\3\ShID\_434\data\assay\8430\rspp\_SIDx6008xpIND4xRPS\_\_\_13\_30\_430\_209\_Novx05x2010\_B\_17A.oka

Replicate 1:

PM14A: J:\Service\Customer\3\ShID\_434\data\assay\8433\rspp\_SIDx6008xpIND4\_\_\_14\_30\_343\_209\_Novx09x2010\_B\_17B.oka

Replicate 2:

PM14A: J:\Service\Customer\3\ShID\_434\data\assay\8430\rspp\_SIDx6008xpIND4xRPS\_\_\_14\_30\_430\_209\_Novx05x2010\_B\_17B.oka

Replicate 1:

PM15B: J:\Service\Customer\3\ShID\_434\data\assay\8433\rspp\_SIDx6008xpIND4\_\_\_15\_30\_343\_209\_Novx09x2010\_B\_18A.oka

Replicate 2:

PM15B: J:\Service\Customer\3\ShID\_434\data\assay\8430\rspp\_SIDx6008xpIND4xRPS\_\_\_15\_30\_430\_209\_Novx05x2010\_B\_18A.oka

Replicate 1:

PM16A: J:\Service\Customer\3\ShID\_434\data\assay\8433\rspp\_SIDx6008xpIND4\_\_\_16\_30\_343\_209\_Novx09x2010\_B\_18B.oka

Replicate 2:

PM16A: J:\Service\Customer\3\ShID\_434\data\assay\8430\rspp\_SIDx6008xpIND4xRPS\_\_\_16\_30\_430\_209\_Novx05x2010\_B\_18B.oka

Replicate 1:

PM17A: J:\Service\Customer\3\ShID\_434\data\assay\8433\rspp\_SIDx6008xpIND4\_\_\_17\_30\_343\_209\_Novx09x2010\_B\_19A.oka

Replicate 2:

PM17A: J:\Service\Customer\3\ShID\_434\data\assay\8430\rspp\_SIDx6008xpIND4xRPS\_\_\_17\_30\_430\_209\_Novx05x2010\_B\_19A.oka

Replicate 1:

PM18C: J:\Service\Customer\3\ShID\_434\data\assay\8433\rspp\_SIDx6008xpIND4\_\_\_18\_30\_343\_209\_Novx09x2010\_B\_19B.oka

Replicate 2:

PM18C: J:\Service\Customer\3\ShID\_434\data\assay\8430\rspp\_SIDx6008xpIND4xRPS\_\_\_18\_30\_430\_209\_Novx05x2010\_B\_19B.oka

Replicate 1:

PM19 : J:\Service\Customer\3\ShID\_434\data\assay\8433\rspp\_SIDx6008xpIND4\_\_\_19\_30\_343\_209\_Novx09x2010\_B\_20A.oka

Replicate 2:

PM19 : J:\Service\Customer\3\ShID\_434\data\assay\8430\rspp\_SIDx6008xpIND4xRPS\_\_\_19\_30\_430\_209\_Novx05x2010\_B\_20A.oka

Replicate 1:

PM20B: J:\Service\Customer\3\ShID\_434\data\assay\8433\rspp\_SIDx6008xpIND4\_\_\_20\_30\_343\_209\_Novx09x2010\_B\_20B.oka

Replicate 2:

PM20B: J:\Service\Customer\3\ShID\_434\data\assay\8430\rspp\_SIDx6008xpIND4xRPS\_\_\_20\_30\_430\_209\_Novx05x2010\_B\_20B.oka

Reference Data Files:

Replicate 1:

PM01 : J:\Service\Customer\3\ShID\_434\data\assay\8462\rspp\_SIDx6007xWT2x4x1\_\_\_1\_30\_462\_209\_Novx18x2010\_A\_01A.oka

Replicate 2:

PM01 : J:\Service\Customer\3\ShID\_434\data\assay\8429\rspp\_SIDx6007xWT2x4x1\_\_\_1\_30\_429\_209\_Novx05x2010\_A\_01A.oka

Replicate 1:

PM02A: J:\Service\Customer\3\ShID\_434\data\assay\8462\rspp\_SIDx6007xWT2x4x1\_\_\_2\_30\_462\_209\_Novx18x2010\_A\_01B.oka

Replicate 2:

PM02A: J:\Service\Customer\3\ShID\_434\data\assay\8429\rspp\_SIDx6007xWT2x4x1\_\_\_2\_30\_429\_209\_Novx05x2010\_A\_01B.oka

Replicate 1:

PM03B: J:\Service\Customer\3\ShID\_434\data\assay\8462\rspp\_SIDx6007xWT2x4x1\_\_\_3\_30\_462\_209\_Novx18x2010\_A\_02A.oka

Replicate 2:

PM03B: J:\Service\Customer\3\ShID\_434\data\assay\8429\rspp\_SIDx6007xWT2x4x1\_\_\_3\_30\_429\_209\_Novx05x2010\_A\_02A.oka

Replicate 1:

PM04A: J:\Service\Customer\3\ShID\_434\data\assay\8462\rspp\_SIDx6007xWT2x4x1\_\_\_4\_30\_462\_209\_Novx18x2010\_A\_02B.oka

Replicate 2:

PM04A: J:\Service\Customer\3\ShID\_434\data\assay\8429\rspp\_SIDx6007xWT2x4x1\_\_\_4\_30\_429\_209\_Novx05x2010\_A\_02B.oka

Replicate 1:

PM05 : J:\Service\Customer\3\ShID\_434\data\assay\8462\rspp\_SIDx6007xWT2x4x1\_\_\_5\_30\_462\_209\_Novx18x2010\_A\_03A.oka

Replicate 2:

PM05 : J:\Service\Customer\3\ShID\_434\data\assay\8429\rspp\_SIDx6007xWT2x4x1\_\_\_5\_30\_429\_209\_Novx05x2010\_A\_03A.oka

Replicate 1:

PM06 : J:\Service\Customer\3\ShID\_434\data\assay\8462\rspp\_SIDx6007xWT2x4x1\_\_\_6\_30\_462\_209\_Novx18x2010\_A\_03B.oka

Replicate 2:

PM06 : J:\Service\Customer\3\ShID\_434\data\assay\8429\rspp\_SIDx6007xWT2x4x1\_\_\_6\_30\_429\_209\_Novx05x2010\_A\_03B.oka

Replicate 1:

PM07 : J:\Service\Customer\3\ShID\_434\data\assay\8462\rspp\_SIDx6007xWT2x4x1\_\_\_7\_30\_462\_209\_Novx18x2010\_A\_04A.oka

Replicate 2:

PM07 : J:\Service\Customer\3\ShID\_434\data\assay\8429\rspp\_SIDx6007xWT2x4x1\_\_\_7\_30\_429\_209\_Novx05x2010\_A\_04A.oka

Replicate 1:

PM08 : J:\Service\Customer\3\ShID\_434\data\assay\8462\rspp\_SIDx6007xWT2x4x1\_\_\_8\_30\_462\_209\_Novx18x2010\_A\_04B.oka

Replicate 2:

PM08 : J:\Service\Customer\3\ShID\_434\data\assay\8429\rspp\_SIDx6007xWT2x4x1\_\_\_8\_30\_429\_209\_Novx05x2010\_A\_04B.oka

Replicate 1:

PM09 : J:\Service\Customer\3\ShID\_434\data\assay\8432\rspp\_SIDx6007xWT2x4x1\_\_\_9\_30\_432\_209\_Novx09x2010\_A\_05A.oka

Replicate 2:

PM09 : J:\Service\Customer\3\ShID\_434\data\assay\8429\rspp\_SIDx6007xWT2x4x1\_\_\_9\_30\_429\_209\_Novx05x2010\_A\_05A.oka

Replicate 1:

PM10 : J:\Service\Customer\3\ShID\_434\data\assay\8429\rspp\_SIDx6007xWT2x4x1\_\_\_10\_30\_429\_209\_Novx05x2010\_A\_05B.oka

Replicate 2:

PM10 : J:\Service\Customer\3\ShID\_434\data\assay\8432\rspp\_SIDx6007xWT2x4x1\_\_\_10\_30\_432\_209\_Novx09x2010\_A\_05B.oka

Replicate 1:

PM11C: J:\Service\Customer\3\ShID\_434\data\assay\8432\rspp\_SIDx6007xWT2x4x1\_\_\_11\_30\_432\_209\_Novx09x2010\_A\_06A.oka

Replicate 2:

PM11C: J:\Service\Customer\3\ShID\_434\data\assay\8429\rspp\_SIDx6007xWT2x4x1\_\_\_11\_30\_429\_209\_Novx05x2010\_A\_06A.oka

Replicate 1:

PM12B: J:\Service\Customer\3\ShID\_434\data\assay\8432\rspp\_SIDx6007xWT2x4x1\_\_\_12\_30\_432\_209\_Novx09x2010\_A\_06B.oka

Replicate 2:

PM12B: J:\Service\Customer\3\ShID\_434\data\assay\8429\rspp\_SIDx6007xWT2x4x1\_\_\_12\_30\_429\_209\_Novx05x2010\_A\_06B.oka

Replicate 1:

PM13B: J:\Service\Customer\3\ShID\_434\data\assay\8432\rspp\_SIDx6007xWT2x4x1\_\_\_13\_30\_432\_209\_Novx09x2010\_A\_07A.oka

Replicate 2:

PM13B: J:\Service\Customer\3\ShID\_434\data\assay\8429\rspp\_SIDx6007xWT2x4x1\_\_\_13\_30\_429\_209\_Novx05x2010\_A\_07A.oka

Replicate 1:

PM14A: J:\Service\Customer\3\ShID\_434\data\assay\8432\rspp\_SIDx6007xWT2x4x1\_\_\_14\_30\_432\_209\_Novx09x2010\_A\_07B.oka

Replicate 2:

PM14A: J:\Service\Customer\3\ShID\_434\data\assay\8429\rspp\_SIDx6007xWT2x4x1\_\_\_14\_30\_429\_209\_Novx05x2010\_A\_07B.oka

Replicate 1:

PM15B: J:\Service\Customer\3\ShID\_434\data\assay\8432\rspp\_SIDx6007xWT2x4x1\_\_\_15\_30\_432\_209\_Novx09x2010\_A\_08A.oka

Replicate 2:

PM15B: J:\Service\Customer\3\ShID\_434\data\assay\8429\rspp\_SIDx6007xWT2x4x1\_\_\_15\_30\_429\_209\_Novx05x2010\_A\_08A.oka

Replicate 1:

PM16A: J:\Service\Customer\3\ShID\_434\data\assay\8432\rspp\_SIDx6007xWT2x4x1\_\_\_16\_30\_432\_209\_Novx09x2010\_A\_08B.oka

Replicate 2:

PM16A: J:\Service\Customer\3\ShID\_434\data\assay\8429\rspp\_SIDx6007xWT2x4x1\_\_\_16\_30\_429\_209\_Novx05x2010\_A\_08B.oka

Replicate 1:

PM17A: J:\Service\Customer\3\ShID\_434\data\assay\8432\rspp\_SIDx6007xWT2x4x1\_\_\_17\_30\_432\_209\_Novx09x2010\_A\_09A.oka

Replicate 2:

PM17A: J:\Service\Customer\3\ShID\_434\data\assay\8429\rspp\_SIDx6007xWT2x4x1\_\_\_17\_30\_429\_209\_Novx05x2010\_A\_09A.oka

Replicate 1:

PM18C: J:\Service\Customer\3\ShID\_434\data\assay\8432\rspp\_SIDx6007xWT2x4x1\_\_\_18\_30\_432\_209\_Novx09x2010\_A\_09B.oka

Replicate 2:

PM18C: J:\Service\Customer\3\ShID\_434\data\assay\8429\rspp\_SIDx6007xWT2x4x1\_\_\_18\_30\_429\_209\_Novx05x2010\_A\_09B.oka

Replicate 1:

PM19 : J:\Service\Customer\3\ShID\_434\data\assay\8432\rspp\_SIDx6007xWT2x4x1\_\_\_19\_30\_432\_209\_Novx09x2010\_A\_10A.oka

Replicate 2:

PM19 : J:\Service\Customer\3\ShID\_434\data\assay\8429\rspp\_SIDx6007xWT2x4x1\_\_\_19\_30\_429\_209\_Novx05x2010\_A\_10A.oka

Replicate 1:

PM20B: J:\Service\Customer\3\ShID\_434\data\assay\8432\rspp\_SIDx6007xWT2x4x1\_\_\_20\_30\_432\_209\_Novx09x2010\_A\_10B.oka

Replicate 2:

PM20B: J:\Service\Customer\3\ShID\_434\data\assay\8429\rspp\_SIDx6007xWT2x4x1\_\_\_20\_30\_429\_209\_Novx05x2010\_A\_10B.oka