

MAKE SUD MSI

		1	4	7	96 TCY SUD	96 TCY SUD	96 TCY SUD	
		96 STD DNA	96 STD DNA	96 STD DNA	96 TCY SUD	96 TCY SUD	96 TCY SUD	
		BARCODE	BARCODE	BARCODE	BARCODE	BARCODE	BARCODE	
		2	5	8	96 TCY SUD	96 TCY SUD	96 TCY SUD	
		96 STD DNA	96 STD DNA	96 STD DNA	96 TCY SUD	96 TCY SUD	96 TCY SUD	
		BARCODE	BARCODE	BARCODE	BARCODE	BARCODE	BARCODE	
		3	6		96 TCY SUD	96 TCY SUD		
		96 STD DNA	96 STD DNA		96 TCY SUD	96 TCY SUD		
		BARCODE	BARCODE		BARCODE	BARCODE		

Operator _____

Robot _____

Date _____

Comments _____

- Heat Block (95°C, 30 min)
Start: _____ Stop: _____
- Incubate SUD (Illumina LIMS)

A _____
MS1 Barcode

Project Index
8x192 []
4x384 []

LIMS Project Name: _____

PRECIP SUD MSI

W A S H					1 96 TCY SUD _____ BARCODE	4 96 TCY SUD _____ BARCODE	7 96 TCY SUD _____ BARCODE	A
					2 96 TCY SUD _____ BARCODE	5 96 TCY SUD _____ BARCODE	8 96 TCY SUD _____ BARCODE	B
					3 96 TCY SUD _____ BARCODE	6 96 TCY SUD _____ BARCODE		

- Spin SUD 3000xg (20 min)
- Spin SUD (Illumina LIMS)

A _____ B _____
2-Propanol Lot PS1 Barcode

Operator _____

Robot _____

Date _____

Comments _____

RESUSPEND SUD MSI

W A S H					1	4	7	A
					2	5	8	
					3	6		

 A
RS1 Barcode

Operator

Robot

Date

Comments

Allele-Specific Extension

MAKE SUD ASE MSI

	1	4	7	1	4	7	<div style="border: 2px solid black; padding: 10px; text-align: center; font-size: 2em;">A</div>	
	<div style="border: 1px solid black; padding: 5px;"> 96 TCY ASE BARCODE _____ </div>	<div style="border: 1px solid black; padding: 5px;"> 96 TCY ASE BARCODE _____ </div>	<div style="border: 1px solid black; padding: 5px;"> 96 TCY ASE BARCODE _____ </div>	<div style="border: 1px solid black; padding: 5px;"> 96 TCY SUD BARCODE _____ </div>	<div style="border: 1px solid black; padding: 5px;"> 96 TCY SUD BARCODE _____ </div>	<div style="border: 1px solid black; padding: 5px;"> 96 TCY SUD BARCODE _____ </div>		<div style="border: 1px solid black; padding: 5px; width: 100px; height: 100px;"></div>
	2	5	8	2	5	8		<div style="border: 1px solid black; padding: 5px; width: 100px; height: 100px;"></div>
3	6		3	6		<div style="border: 1px solid black; padding: 5px; width: 100px; height: 100px;"></div>		

Operator _____

Robot _____

Date _____

Comments _____

OPA Barcode-1 _____

OPA Barcode-2 _____

OPA Barcode-3 _____

OPA Barcode-4 _____

OPA Barcode-5 _____

OPA Barcode-6 _____

OPA Barcode-7 _____

OPA Barcode-8 _____

A _____
OB1 Barcode

70°C Heat Block Reset to 30°C

Incubate for 2 hours (Up to 16 hours)

Start: _____ Stop: _____

ADD MEL MSI

					1	4	7	<div style="border: 2px solid green; padding: 10px; margin-bottom: 10px;">A</div> <div style="border: 2px solid blue; padding: 10px; margin-bottom: 10px;">B</div> <div style="border: 2px solid purple; padding: 10px;">C</div>
					96 TCY ASE _____ BARCODE	96 TCY ASE _____ BARCODE	96 TCY ASE _____ BARCODE	
					96 TCY ASE _____ BARCODE	96 TCY ASE _____ BARCODE	96 TCY ASE _____ BARCODE	
					96 TCY ASE _____ BARCODE	96 TCY ASE _____ BARCODE		

45°C Heat Block (15 min)
Start: _____ Stop: _____

Operator _____

Robot _____

Date _____

Comments _____

A _____
AM1 Barcode

B _____
UB1 Barcode

C _____
MEL Barcode

POOL ASE MSI

W A S H					1 96 TCY ASE _____ BARCODE	4 96 TCY ASE _____ BARCODE	7 96 TCY ASE _____ BARCODE	A
				96 MIDI APP _____ BARCODE	2 96 TCY ASE _____ BARCODE	5 96 TCY ASE _____ BARCODE	8 96 TCY ASE _____ BARCODE	B
				96 MIDI APP _____ BARCODE	3 96 TCY ASE _____ BARCODE	6 96 TCY ASE _____ BARCODE		

Operator _____

Robot _____

Date _____

Comments _____

A _____
IP1 Barcode

B _____
UB1 Barcode

MAKE PCR MSI

	1	4	7	1	4	7	
	96 TCY PCR _____ BARCODE	96 TCY PCR _____ BARCODE	96 TCY PCR _____ BARCODE	96 MIDI APP _____ BARCODE	96 MIDI APP _____ BARCODE	96 MIDI APP _____ BARCODE	
	2	5	8	2	5	8	
	96 TCY PCR _____ BARCODE	96 TCY PCR _____ BARCODE	96 TCY PCR _____ BARCODE	96 MIDI APP _____ BARCODE	96 MIDI APP _____ BARCODE	96 MIDI APP _____ BARCODE	
	3	6		3	6		
	96 TCY PCR _____ BARCODE	96 TCY PCR _____ BARCODE		96 MIDI APP _____ BARCODE	96 MIDI APP _____ BARCODE		

Operator _____

Robot _____

Date _____

Comments _____

_____ [MMP Barcode-1](#)

_____ [MMP Barcode-2](#)

_____ [MMP Barcode-3](#)

_____ [MMP Barcode-4](#)

_____ [MMP Barcode-5](#)

_____ [MMP Barcode-6](#)

_____ [MMP Barcode-7](#)

_____ [MMP Barcode-8](#)

Add Enzyme and UDG (Illumina LIMS)

Protocol/Program: _____

Start: _____ Stop: _____

Cycle PCR (Illumina LIMS)

Post-PCR

BIND PCR

	<div style="border: 1px solid purple; padding: 2px;">A</div>			1	<div style="border: 1px solid black; padding: 2px;">96 TCY PCR</div> <div style="border: 1px solid black; padding: 2px;">BARCODE</div>	
				2	<div style="border: 1px solid black; padding: 2px;">96 TCY PCR</div> <div style="border: 1px solid black; padding: 2px;">BARCODE</div>	
				3	<div style="border: 1px solid black; padding: 2px;">96 TCY PCR</div> <div style="border: 1px solid black; padding: 2px;">BARCODE</div>	

Operator _____

Robot _____

Date _____

Comments _____

[] Incubate PCR (Illumina LIMS)

MPB Barcode-1

MPB Barcode-2

MPB Barcode-3

Sec-Butanol Lot

MAKE HYB

		<div style="border: 1px solid black; padding: 2px;">96 TCY PCR</div> <div style="border: 1px solid black; padding: 2px;">BARCODE</div>		1	<div style="border: 1px solid black; padding: 2px;">96 TCY INT</div> <div style="border: 1px solid black; padding: 2px;">BARCODE</div>	<div style="border: 1px solid grey; padding: 2px;">96 TCY HYB</div> <div style="border: 1px solid grey; padding: 2px;">BARCODE</div>
		<div style="border: 1px solid black; padding: 2px;">96 TCY PCR</div> <div style="border: 1px solid black; padding: 2px;">BARCODE</div>		2	<div style="border: 1px solid black; padding: 2px;">96 TCY INT</div> <div style="border: 1px solid black; padding: 2px;">BARCODE</div>	<div style="border: 1px solid grey; padding: 2px;">96 TCY HYB</div> <div style="border: 1px solid grey; padding: 2px;">BARCODE</div>
		<div style="border: 1px solid black; padding: 2px;">96 TCY PCR</div> <div style="border: 1px solid black; padding: 2px;">BARCODE</div>		3	<div style="border: 1px solid black; padding: 2px;">96 TCY INT</div> <div style="border: 1px solid black; padding: 2px;">BARCODE</div>	<div style="border: 1px solid grey; padding: 2px;">96 TCY HYB</div> <div style="border: 1px solid grey; padding: 2px;">BARCODE</div>

Operator _____

Robot _____

Date _____

Comments _____

MH1 Barcode-1

MH1 Barcode-2

MH1 Barcode-3

UB2 Barcode

0.1N NaOH Lot

HYB UNIVERSAL BC (32 SAMPLE BEADCHIP)

W A S H	1	384 Plate GS#-HYB BARCODE _____	BC1	BC2	BC3	
	2	384 Plate GS#-HYB BARCODE _____	BC4	BC5	BC6	
	3	384 Plate GS#-HYB BARCODE _____	BC7	BC8	BC9	

Operator _____

Robot _____

Date _____

Comments _____

Accession BC (Illumina LIMS)

Incubate 60°C (30 min)

Start: _____

Incubate 45°C for 16 hours (18 hrs max)

Start: _____

Stop: _____

Hyb Oven ID _____

BC1 Barcode _____	BC2 Barcode _____	BC3 Barcode _____	CHB Barcode _____
BC4 Barcode _____	BC5 Barcode _____	BC6 Barcode _____	CHB Barcode _____
BC7 Barcode _____	BC8 Barcode _____	BC9 Barcode _____	CHB Barcode _____

WASH, COAT, IMAGE (UNIVERSAL BC)

Coat Universal BC (Illumina LIMS)

PB1 Barcode _____

XC4 Barcode _____

Comments _____

Operator _____


Date _____

Track Universal-32 BeadChips

BC #1

A1	A3	A4
A2		
B1	B3	B4
B2		
C1	C3	C4
C2		
D1	D3	D4
D2		
E1	E3	E4
E2		
F1	F3	F4
F2		
G1	G3	G4
G2		
H1	H3	H4
H2		

R01C01	R01C03
R01C02	R01C04
R02C01	R02C03
R02C02	R02C04
R03C01	R03C03
R03C02	R03C04
R04C01	R04C03
R04C02	R04C04
R05C01	R05C03
R05C02	R05C04
R06C01	R06C03
R06C02	R06C04
R07C01	R07C03
R07C02	R07C04
R08C01	R08C03
R08C02	R08C04

Barcode:  4466836009

Scanner ID: _____

Image Date: _____

BC #2

A5	A7	A8
A6		
B5	B7	B8
B6		
C5	C7	C8
C6		
D5	D7	D8
D6		
E5	E7	E8
E6		
F5	F7	F8
F6		
G5	G7	G8
G6		
H5	H7	H8
H6		

R01C01	R01C03
R01C02	R01C04
R02C01	R02C03
R02C02	R02C04
R03C01	R03C03
R03C02	R03C04
R04C01	R04C03
R04C02	R04C04
R05C01	R05C03
R05C02	R05C04
R06C01	R06C03
R06C02	R06C04
R07C01	R07C03
R07C02	R07C04
R08C01	R08C03
R08C02	R08C04

Barcode: _____


Scanner ID: _____

Image Date: _____

BC #3

A9	A11	A12
A10		
B9	B11	B12
B10		
C9	C11	C12
C10		
D9	D11	D12
D10		
E9	E11	E12
E10		
F9	F11	F12
F10		
G9	G11	G12
G10		
H9	H11	H12
H10		

R01C01	R01C03
R01C02	R01C04
R02C01	R02C03
R02C02	R02C04
R03C01	R03C03
R03C02	R03C04
R04C01	R04C03
R04C02	R04C04
R05C01	R05C03
R05C02	R05C04
R06C01	R06C03
R06C02	R06C04
R07C01	R07C03
R07C02	R07C04
R08C01	R08C03
R08C02	R08C04


Barcode:  4466836009

Scanner ID: _____

Image Date: _____

INT Plate

A												
B												
C												
D												
E												
F												
G												
H												

Barcode:  1123456789-INT

Barcode: _____

Scanner ID: _____

Image Date: _____

INT Plate Barcode: _____
or
HYB Plate Barcode: _____

Track Universal-32 BeadChips

BC #4

A1	A3	A4
A2		
B1	B3	B4
B2		
C1	C3	C4
C2		
D1	D3	D4
D2		
E1	E3	E4
E2		
F1	F3	F4
F2		
G1	G3	G4
G2		
H1	H3	H4
H2		

R01C01	R01C03
R01C02	R01C04
R02C01	R02C03
R02C02	R02C04
R03C01	R03C03
R03C02	R03C04
R04C01	R04C03
R04C02	R04C04
R05C01	R05C03
R05C02	R05C04
R06C01	R06C03
R06C02	R06C04
R07C01	R07C03
R07C02	R07C04
R08C01	R08C03
R08C02	R08C04

Barcode:

Scanner ID: _____

Image Date: _____

BC #5

A5	A7	A8
A6		
B5	B7	B8
B6		
C5	C7	C8
C6		
D5	D7	D8
D6		
E5	E7	E8
E6		
F5	F7	F8
F6		
G5	G7	G8
G6		
H5	H7	H8
H6		

R01C01	R01C03
R01C02	R01C04
R02C01	R02C03
R02C02	R02C04
R03C01	R03C03
R03C02	R03C04
R04C01	R04C03
R04C02	R04C04
R05C01	R05C03
R05C02	R05C04
R06C01	R06C03
R06C02	R06C04
R07C01	R07C03
R07C02	R07C04
R08C01	R08C03
R08C02	R08C04

Barcode: _____

Scanner ID: _____

Image Date: _____

BC #6

A9	A11	A12
A10		
B9	B11	B12
B10		
C9	C11	C12
C10		
D9	D11	D12
D10		
E9	E11	E12
E10		
F9	F11	F12
F10		
G9	G11	G12
G10		
H9	H11	H12
H10		

R01C01	R01C03
R01C02	R01C04
R02C01	R02C03
R02C02	R02C04
R03C01	R03C03
R03C02	R03C04
R04C01	R04C03
R04C02	R04C04
R05C01	R05C03
R05C02	R05C04
R06C01	R06C03
R06C02	R06C04
R07C01	R07C03
R07C02	R07C04
R08C01	R08C03
R08C02	R08C04

Barcode:

Scanner ID: _____

Image Date: _____

INT Plate

A	●	●	●	●	●	●	●	●	●	●	●
B	●	●	●	●	●	●	●	●	●	●	●
C	●	●	●	●	●	●	●	●	●	●	●
D	●	●	●	●	●	●	●	●	●	●	●
E	●	●	●	●	●	●	●	●	●	●	●
F	●	●	●	●	●	●	●	●	●	●	●
G	●	●	●	●	●	●	●	●	●	●	●
H	●	●	●	●	●	●	●	●	●	●	●

Barcode:

INT Plate Barcode: _____
or
HYB Plate Barcode: _____