VIRGINIA DEPARTMENT OF FORENSIC SCIENCE
DNA DATABANK

SYSTEM: PP16 BIO

LANE	POSITION	SAMPLE	STATUS	SAMPLE VOL (ul)	LOADED VOL (ul)
		MATRIX 16 BIO		1.5	2.5
1	A12	NEG CONTROL			
2	C12	9947A CONTROL			
3		ALLELIC LADDER			
4	A1				
5	B1				
6	C1				
7	D1				
8	E1				
9	F1				
10	G1				
11	H1				
12	A2				
13	B2				
14	C2				
15	D2				
16	E2				
17	F2				
18		ALLELIC LADDER			
19	G2				
20	H2				
21	A3				
22	B3				
23	C3				
24	D3				
25	E3				
26	F3				
27	G3				
28	H3				
29	A4				
30	B4				
31	C4				
32	D4				
33		ALLELIC LADDER			
34	E11	BUCCAL-			
35	G11	REAGENT BLANK			

GEL #	
PLATE #	

PLATE AMPLIFICATION CONTROLS	
NEGATIVE CONTROL	A12, B12
POSITIVE CONTROL	C12, D12
RANDOM SAMPLE	E11, F11
REAGENT BLANK	G11, H11

GEL LOADING ANALYST	
DATE GEL LOADED	
WATTS: 60	

LOT NUMBERS	
PP16BIO kit	/Promega
1X TBE	

DNA	VARIABLE
BROMOPHENOL BLUE	1.5 uL X 35 = 52.5 uL
ILS 600 BIO (0.25uL - 0.375uL)	0.25 uL X 35 = 8.75 uL
1X GOLD ST*R BUFFER	VARIABLE

MATRIX 16 BIO	0.75 uL
BROMOPHENOL BLUE	1.5 uL
1X GOLD ST*R BUFFER	0.75 uL

PP16 BIO LADDER (0.5uL - 1.0uL)	0.75 uL X 4 = 3 uL
BROMOPHENOL BLUE	1.5 uL X 4 = 6 uL
1X GOLD ST*R BUFFER (variable)	0.5 uL X 4 = 2 uL
ILS 600 BIO (0.25uL - 0.375uL)	0.25 uL X 4 = 1 uL

Gel Prepared By:	
Page Plus 6% gel mix 50ml	Amresco
TEMED 30ul	Sigma
10% APS 300ul	Sigma

Red dot on lane # = excluded sample

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2	C12	9947A CONTROL			
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4	E4				
5	F4				
6	G4				
7	H4				
8	A5				
9	B5				
10	C5				
11	D5				
12	E5				
13	F5				
14	G5				
15	H5				
16	A6				
17	B6				
18		ALLELIC LADDER			
19	C6				
20	D6				
21	E6				
22	F6				
23	G6				
24	H6				
25	A7				
26	B7				
27	C7				
28	D7				
29	E7				
30	F7				
31	G7				
32	H7				
33		ALLELIC LADDER			
34	E11	BUCCAL-			
35	G11	REAGENT BLANK			

GEL #	
PLATE #	

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POSITIVE CONTROL	C12, D12
RANDOM SAMPLE	E11, F11
REAGENT BLANK	G11, H11

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2	C12	9947A CONTROL			
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4	A8				
5	B8				
6	C8				
7	D8				
8	E8				
9	F8				
10	G8				
11	H8				
12	A9				
13	B9				
14	C9				
15	D9				
16	E9				
17	F9				
18		ALLELIC LADDER			
19	G9				
20	H9				
21	A10				
22	B10				
23	C10				
24	D10				
25	E10				
26	F10				
27	G10				
28	H10				
29	A11				
30	B11				
31	C11				
32	D11				
33		ALLELIC LADDER			
34	E11	BUCCAL-			
35	G11	REAGENT BLANK			

GEL #	
PLATE #	

PLATE AMPLIFICATION CONTROLS	
NEGATIVE CONTROL	A12, B12
POSITIVE CONTROL	C12, D12
RANDOM SAMPLE	E11, F11
REAGENT BLANK	G11, H11

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PP16BIO kit	/Promega
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