

## **Estimation Summary Report**

26 November 2012 09:15:59 pm

AIC: 136.248

Log-likelihood: -46.1238

Sac Release: -32.1073

Geo Release: -4.73886

Ryde Release: -3.96728

SutterUp: 0

SteamUp: -0.942264

Chipps for Sac Release: -1.8924

Chipps for Geo Release: -1.24492

Chipps for Ryde Release: -1.23077

Dimension of the Minimum Sufficient Statistic: 61

Number of parameters: 22

## **Categories and Corresponding Counts by Likelihood**

"Sac Release"

Total observed counts: 171

Category	Counts	Category	Counts	Category	Counts
AAAA0A	0	AAAA00	0	AAA00A	0
AAA000	0	AACCD A	0	AACCD0	0
AACC0A	0	AACC00	0	AAC0DA	0
AAC0D0	0	AAC00A	0	AAC000	0
AAD0DA	0	AAD0D0	0	AAD00A	0
AAD000	0	AAaA0A	23	AAaA00	32
AAa00A	0	AAa000	5	AAd0DA	5
AAd0D0	8	AAd00A	0	AAd000	13
AA0A0A	0	AA0A00	0	AA0CDA	0
AA0CD0	0	AA0C0A	0	AA0C00	0
AA00DA	0	AA00D0	0	AA000A	0
AA0000	13	AB10B0A	3	AB10B00	7
AB1000A	0	AB10000	11	AB20B0A	1
AB20B00	4	AB2000A	0	AB20000	4
A0AA0A	0	A0AA00	0	A0A00A	0

A0A000	0	A0CCDA	0	A0CCD0	0
A0CC0A	0	A0CC00	0	A0C0DA	0
A0C0D0	0	A0C00A	0	A0C000	0
A0D0DA	0	A0D0D0	0	A0D00A	0
A0D000	0	A0aA0A	0	A0aA00	0
A0a00A	0	A0a000	0	A0d0DA	0
A0d0D0	0	A0d00A	0	A0d000	1
A00A0A	0	A00A00	0	A00B0A	0
A00B00	0	A00CDA	0	A00CD0	0
A00C0A	0	A00C00	1	A000DA	0
A000D0	0	A0000A	0	A00000	40

"Geo Release"

Total observed counts: 108

Category	Counts	Category	Counts	Category	Counts
00D0DA	17	00D0D0	45	00D00A	0
00D000	46				

"Ryde Release"

Total observed counts: 69

Category	Counts	Category	Counts	Category	Counts
00AA0A	14	00AA00	48	00A00A	0
00A000	7				

"SutterUp"

Total observed counts: 21

Category	Counts	Category	Counts	Category	Counts
B11a B11b	21	B11a 0	0	0 B11b	0

"SteamUp"

Total observed counts: 9

Category	Counts	Category	Counts	Category	Counts

B21a B21b	8	B21a 0	1	0 B21b	0
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"Chippis for Sac Release"  
Total observed counts: 32

Category	Counts	Category	Counts	Category	Counts
A5as A5bs	22	A5as 0	0	0 A5bs	10

"Chippis for Geo Release"  
Total observed counts: 17

Category	Counts	Category	Counts	Category	Counts
A5ag A5bg	15	A5ag 0	0	0 A5bg	2

"Chippis for Ryde Release"  
Total observed counts: 14

Category	Counts	Category	Counts	Category	Counts
A5ar A5br	12	A5ar 0	0	0 A5br	2

## Parameter Estimates

Parameter	Estimate	s.e.
SA1	0.76785	0.0324748
psiB11	0.159936	0.0319966
psiB21	0.0685441	0.0220513
SA2	0.868687	0.0339444
w	0.0113636	0.0113027
psiA2c	0.689655	0.0495996
SA4	0.418182	0.0665113
SB3	0.266667	0.114181
SB11	0.47619	0.108986
SB21	0.555556	0.165634
SD2	0.384615	0.13493
SA3c	0.916667	0.0356812

SD1c	0.481481	0.0961592
PA2	0.977273	0.0158869
PA5as	0.6875	0.0819382
FB21b	0.888889	0.104757
SD1g	0.574074	0.0475816
SD2g	0.274194	0.0566557
PA5ag	0.882353	0.0781425
SA3r	0.898551	0.0363472
SA4r	0.225806	0.0531001
PA5ar	0.857143	0.093522

### Convenience Functions

Name	Estimate	s.e.
PA4r	1	0
PD1	1	0
PD2	1	0
PA3	1	0
PA4	1	0
PD2g	1	0
psiA2o	0	0
psiC2o	1	0
PA5bg	1	0
PA5br	1	0
PA5bs	1	0
PC1	0	0
SC1	1	0
PC2	1	0

SC2	0	0
SD1o	0	0
SA3o	0	0
FB21a	1	0
FB11a	1	0
FB11b	1	0
FB2	1	0
FA5s	1	0
FA5g	1	0
FA5r	1	0
FB11	1	0
FB21	1	0
psiA1	0.77152	0.0366545
psiD2o	0	0
psiD2c	0.310345	0.0495996
psiC2c	0	0
psiA2	0.681818	0.0496517
psiD2	0.306818	0.0491613
psiC2	0.0113636	0.0113027
SAo	0	0
SAc	0.138066	0.0338407
SA	0.136497	0.0334925
SB1	0.0825645	0.0273175
SB2	0.0963252	0.0368029
SC	0	0
SDo	0	0
SDc	0.0880595	0.0258005

SD	0.0870589	0.0255267
Sdelta	0.112218	0.0237591
routing_sum_check	1	2.05879e-18