

5' **u** **a** **u** **a** **c** **u** **c** **a** **c** **u** **u** **g** **u** **c** **a** **c** **u** **u** **g** **u** **a** **u** **u** **u** **c** **u** **u** **c** **g** **u** **a** **u** **g** **c** **a** **c** **a** **c** **g** **c** **c** **a**
3' **u** **a** **u** **a** **g** **g** **g** **u** **c** **u** **a** **g** **a** **a** **c** **a** **u** **a** **a** **a** **g** **a** **g** **c** **a** **u** **a** **u** **g** **u** **g** **u** **g** **c** **g** **c** **a**



	-3'	obs	
		exp	
	reads	mm	sample
..(((((((((((((((((((((.....)))))))))....)))))))))	1	1	s16
.....aaaauacaagugacucgugU.....	1	1	s16
.....aaauacaagugacucguggGC.....	1	0	s16
.....uacaagugacucgugggau.....	2	0	s16
.....caagugacucgugggauuu.....	1	0	s16
.....caagugacucgugggauuu.....	2	0	s16
.....agugacucgugggauuuuc.....	2	0	s16
.....agugacucgugggauuuucca...ugacucgugggauuuuccau...	1	0	s16
.....agugacucgugggauuu.....	1	0	s15
.....agugacucguUggauuuucca...	2	1	s15
.....caagugacucgugggauuu.....	1	0	s03
.....aaauacaagugacucguggG.....	4	0	s03
.....agugacucgugggauuuucca...	2	0	s03
.....uacaagugacucgugggauuu.....	1	0	s06
.....uacaagugacucgugggauuuuccauG.	1	0	s06
.....caagugacucgugggauuu.....	14	0	s06
.....aaauacaagugacucguggG.....	1	0	s06
.....agugacucgugggauuu.....	8	0	s06
.....agugacucgugggauuuuc.....	1	0	s06
.....agugacucgugggauuuU.....	2	1	s06
.....agugacucgugggauuuucc.....	3	0	s06
.....agugacucgugggauuuucca...	1	0	s06
.....ugacucgugggauuuuccauC..	1	1	s06
.....aaauaucucacuugucacuug.....	1	0	s07
.....uaucucacuugucacuugua.....	1	0	s07
.....uugucacuuguauuuccuucA.....	1	1	s07
.....ucguguguauaccgagaaaaa.....	1	0	s07
.....agaaaauacaagugacucg.....	1	0	s07
.....aaaauacaagugacucguggGU.....	1	1	s07

Star	Mature		
auacuaugggaauaucucacuuugucacuuuguaauuuccuuucguaugcacacucgccuaaaggcucguguguaucaggagaaaauacaagugacucguggggaauuuccauagu			
.....aaauacaagugacucguggg.....	2	0	s07
.....uacaagugacucguggggaauuuccaua..	5	0	s07
.....caagugacucguggggaauuu.....	10	0	s07
.....caagugacucguggggaauuuAc....	2	1	s07
.....agugacucguggggaauuu.....	3	0	s07
.....agugacucguggggaauuuc.....	1	0	s07
.....agugacucguggggaauuucc.....	1	0	s07
.....agugacucguggggaauuucU....	1	1	s07
.....agugacucguggggaauuucca....	2	0	s07
.....ugacucguggggaauuucca....	2	0	s07
.....ugacucguggggaauuuccau....	1	0	s07
.....ugacucguggggaauuuccaua..	1	0	s07
.....auaucucacuuugucacuuug.....	1	0	s09
.....cucgccuaaaggcucgugugu.....	1	0	s09
.....uaaaggcucguguguauacc.....	1	0	s09
.....accgagaaaauacaagugacu.....	1	0	s09
.....aaaauacaagugacucgu.....	1	0	s09
.....uacaagugacucguggga.....	1	0	s09
.....uacaagugacucguggga.....	2	0	s09
.....uacaagugacucguggga.....	1	0	s09
.....caagugacucguggggaauuu.....	2	0	s09
.....caagugacucguggggaauuuc.....	2	0	s09
.....agugacucguggggaauuuc.....	2	0	s09
.....agugacucguggggaauuuccaua..	1	0	s09
.....ugacucguggggaauuuccaua..	1	0	s09
.....cguguguauaccgagaaaa.....	1	0	s04
.....agugacucguggggaauuucca....	1	0	s04
.....cacucgccuaaaggcucguguguauaccga.....	1	0	s08
.....cucgccuaaaggcucguguguau.....	1	0	s08
.....cucgccuaaaggcucguguguauaccgaga.....	1	0	s08
.....ccuaaaggcucguguguauacc.....	1	0	s08
.....agaaaauacaagugacucg.....	1	0	s08
.....uacaagugacucguggga.....	2	0	s08
.....uacaagugacucgugggaauuuccau....	1	0	s08
.....caagugacucguggggaauuu.....	3	0	s08
.....agugacucguggggaauuu.....	1	0	s08
.....agugacucguggggaauuucU....	3	1	s08
.....agugacucguggggaauuucc.....	9	0	s08
.....agugacucguggggaauuuccG....	1	1	s08
.....agugacucguggggaauuucca....	3	0	s08
.....agugacucguggggaauuuccau....	1	0	s08
.....gugacucguggggaauuucc.....	1	0	s08
.....ugacucguggggaauuuccau....	2	0	s08
.....ugacucguggggaauuuccaG....	2	1	s08
.....cacacucgccuaaaggcucg.....	1	0	s18
.....aaauacaagugacucgugggC.....	2	1	s18
.....uacaagugacucgugggaauuuccau....	1	0	s18
.....uacaagugacucgugggaauuuccaua..	2	0	s18
.....uacaagugacucgugggaauuuccauag.....	3	0	s18
.....caagugacucguggggaauuu.....	6	0	s18
.....caagugacucguggggaauuuc.....	1	0	s18
.....ugacucguggggaauuuccaua..	1	0	s18
.....caagugacucguggggaauuu.....	3	0	s05
.....aagugacucguggggaauuuc.....	1	0	s05
.....agugacucguggggaauuu.....	1	0	s05
.....agugacucguggggaauuucc.....	1	0	s05
.....cacucgccuaaaggcucguguguauaccga.....	1	0	s11
.....caagugacucguggggaauuu.....	2	0	s11
.....agugacucguggggaauuucc.....	1	0	s11
.....Cauaucucacuuugucacuuug.....	1	1	s02
.....aaauaucucacuuugucacuuug.....	5	0	s02
.....auaucucacuuugucacuuU.....	1	1	s02
.....auaucucacuuugucacuuug.....	7	0	s02

Star	Mature		
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.....auaucucacuugucacuugG.....	1	1	s02
.....uauucacacuAgucacuug.....	2	1	s02
.....ucucacuugucacuugauu.....	1	0	s02
.....cuaaaggcucguguguaauaccgagaaaau.....	2	0	s02
.....cuaaaggcucguguguaauaccgagaaaaua.....	2	0	s02
.....ucguguguaauaccgagaaaau.....	1	0	s02
.....ucguguguaauaccgagaaaaua.....	4	0	s02
.....cguguguaauaccgagaaaa.....	1	0	s02
.....cguguguaauaccgagaaaau.....	3	0	s02
.....cguguguaauaccgagaaaaua.....	1	0	s02
.....cguguguaauaccgagaaaauGca.....	1	1	s02
.....guguguaauaccgagaaaau.....	1	0	s02
.....guguguaauaccgagaaaaua.....	1	0	s02
.....uauaccgagaaaauacaa.....	1	0	s02
.....uauaccgagaaaauacaagC.....	2	1	s02
.....uauaccgagaaaauacaagu.....	12	0	s02
.....aaaauacaagugacucgugg.....	1	0	s02
.....aaaauacaagugacucguUgg.....	1	1	s02
.....aaaauacaagugacucguggU.....	1	1	s02
.....aaaauacaagugacucgug.....	2	0	s02
.....aaauacaagugacucguggaua.....	1	0	s02
.....uacaagugacucguggaua.....	10	0	s02
.....uacaagugacucgugggauau.....	1	0	s02
.....uacaagugacucgugggauAu.....	1	1	s02
.....uacaagugacucgugggauauuccGu.....	1	1	s02
.....caagugacucgugggauau.....	1	0	s02
.....caagugacucgugggauauu.....	113	0	s02
.....caagugacucgugggauauuc.....	1	0	s02
.....caagugacucgugggauauuA.....	4	1	s02
.....caagugacucgugggauauucU.....	2	1	s02
.....caagugacucgugggauauucc.....	1	0	s02
.....aagugacucgugggauau.....	4	0	s02
.....aagugacucgugggauauu.....	9	0	s02
.....aagugGcucgugggauauu.....	1	1	s02
.....aagugacucgugggauauuc.....	3	0	s02
.....aagugacucgugggauauucU.....	1	1	s02
.....aagugacucgugggauauucc.....	1	0	s02
.....aagugacucgugggauauucUau.....	1	1	s02
.....agugacucgugggauauu.....	35	0	s02
.....agugacucgugggauauuc.....	12	0	s02
.....agugacucgugggauauucU.....	12	1	s02
.....agugacucgugggauauucc.....	34	0	s02
.....agugacucgugggauauucca.....	32	0	s02
.....agugacucgugggauauuccaA.....	1	1	s02
.....agugacucgugggauauuAcaua.....	1	1	s02
.....agugacucgugggauauuccaGa.....	1	1	s02
.....gugacucgugggauauucUaua.....	2	1	s02
.....ugacucgugggauauucca.....	6	0	s02
.....ugacucgugggauauuccau.....	1	0	s02
.....ugacucgugggauauuccaua.....	3	0	s02
.....ugacucgugggauauuccauC.....	1	1	s02
.....cucgccuaaaggcucgugugua.....	1	0	s10
.....cgagaaaauacaagugacu.....	1	0	s10
.....aaaauacaagugacucgu.....	1	0	s10
.....caagugacucgugggauauu.....	5	0	s10
.....agugacucgugggauauucc.....	2	0	s10
.....ugacucgugggauauucca.....	2	0	s10
.....uacaagugacucgugggau.....	1	0	s17
.....caagugacucgugggauauu.....	2	0	s17
.....caagugacucgugggauauuc.....	2	0	s17
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.....agugacucgugggauauuc.....	1	0	s17
.....agugacucgugggauauucU.....	2	1	s17
.....agugacucgugggauauucc.....	2	0	s17
.....agugacucgugggauauucca.....	7	0	s17
.....agaaaauacaagugacucg.....	1	0	s01
.....auacaagugacucgugggau.....	3	0	s01

Star	Mature		
auacuauggaauaucucacuugucacuuguaauuuccuucguaugcacacucgcuccuaaaggcucguguguauccgagaaaauacaagugacucgugggaauuuccauagu			
.....uacaagugacucgugggaaua.....	3	0	s01
.....caagugacucgugggaauu.....	2	0	s01
.....caagugacucgugggaauuu.....	6	0	s01
.....caagugacucgugggaGauu.....	1	1	s01
.....caagugacucgugggaauuuc.....	1	0	s01
.....aagugacucgugggaauuu.....	1	0	s01
.....agugacucgugggaauuu.....	1	0	s01
.....agugacucgugggaauuucc.....	8	0	s01
.....agugacucgugggaauuucca...	5	0	s01
.....cuaaaggcucguguguaauaccgagaaaau.....	1	0	s13
.....agaaaauacaagugacucgu.....	1	0	s13
.....aaaauacaagugacucguggg.....	1	0	s13
.....uacaagugacucgugggaaua.....	1	0	s13
.....uacaagugacucgugggaauu.....	2	0	s13
.....caagugacucgugggaaua.....	1	0	s13
.....caagugacucgugggaauuu.....	18	0	s13
.....caagugGcucgugggaauuu.....	1	1	s13
.....caagugacucgugggaauuuc.....	1	0	s13
.....caagugacucgugggaauuuAc.....	1	1	s13
.....agugGcucgugggaauuu.....	1	1	s13
.....agugacucgugggaauuu.....	28	0	s13
.....agugacucguUggauuu.....	2	1	s13
.....agugacucguUggauuauuc.....	1	1	s13
.....agugacucgugggaauuuc.....	10	0	s13
.....agugacucgugggaauuucU.....	3	1	s13
.....agugacucgugggaauuucca...	11	0	s13
.....agugacucgugggaauuuccau...	1	0	s13
.....cucgcccuaaaggcucguguguaauaccgaga.....	1	0	s12
.....cuaaaggcucguguguaugccgagaaaaua.....	1	1	s12
.....agaaaauacaagugacucgu.....	1	0	s12
.....Caaaauacaagugacucguggga.....	1	1	s12
.....aaauacaagugacucgugggUu.....	1	1	s12
.....uacaagugacucgugggaauu.....	5	0	s12
.....caagugacucgugggaauu.....	1	0	s12
.....caagugacucgugggaauuu.....	6	0	s12
.....aagugacucgugggaauuu.....	2	0	s12
.....agugacucgugggaauuu.....	2	0	s12
.....agugacucgugggaauuucU.....	1	1	s12
.....agugacucgugggaauuucca...	1	0	s12
.....agugacucgugggaauuuccauC.....	1	1	s12
.....ugacucgugggaauuuccau...	1	0	s12
.....ugacucgugggaauuuccGu...	2	1	s12
.....ugacucgugggaauuuccaua...	4	0	s12
.....auaucucacuugucacuug.....	2	0	s14
.....aaaauacaagugacucgu.....	4	0	s14
.....caagugacucgugggaauuu.....	1	0	s14
.....agugacucgugggaauuucc.....	3	0	s14
.....agugacucgugggaauuucca...	2	0	s14
.....auaucucacuugucacuug.....	2	0	s19
.....uauaccgagaaaauacaagu.....	1	0	s19
.....cgagaaaauacaagugacu.....	1	0	s19
.....agaaaauacaagugacucg.....	2	0	s19
.....aauacaagugacucgugggaauuuccGuag.....	1	1	s19
.....auacaagugacucgugggau.....	1	0	s19
.....uacaagugacucgugggau.....	2	0	s19
.....caagugacucgugggaauuu.....	9	0	s19
.....caagugacucgugggaauuuccau...	1	0	s19
.....agugacucgugggaauuucc.....	2	0	s19
.....agugacucgugggaauuucU.....	1	1	s19
.....agugacucgugggaauuucca...	5	0	s19
.....ugacucgugggaauuucca...	3	0	s19
.....ugacucgugggaauuuccau...	1	0	s19
.....ugacucgugggaauuuccaua...	4	0	s19