

[illegible]

## Mature

## Star

cucagucgguagagcaacggag <u>aucuaa</u> uccgggaggu <u>cugggguucca</u> uucccaccggguuagaa <u>uuuuuu</u> ucucuguccuugggugugcauaagaaguuucugaugc			
.....aucuaa <u>uccgggaggu</u> cugggguuc.....	5	0	s60
.....aucuaa <u>uccg</u> Aggucguggguucc.....	1	1	s60
.....ucuaa <u>uccggaggucg</u> Agg.....	1	1	s60
.....ucuaa <u>uccggaggucg</u> gggu.....	1	0	s60
.....ucuaa <u>uccggaggucg</u> ggguu.....	6	0	s60
.....ucuaa <u>uccggUggucg</u> ggguu.....	1	1	s60
.....ucuaa <u>uccggaggucg</u> ggguA.....	3	1	s60
.....ucuaa <u>uccggaggucg</u> ggguAc.....	1	1	s60
.....cuaa <u>uccggaggucg</u> ggg.....	1	0	s60
.....Auaa <u>uccggaggucg</u> gggu.....	2	1	s60
.....cuaa <u>uccggaggucg</u> gggu.....	1	0	s60
.....Auaa <u>uccggaggucg</u> ggguu.....	3	1	s60
.....cuaa <u>uccggaggucg</u> ggguu.....	1	0	s60
.....Auaa <u>uccggaggucg</u> ggguuc.....	1	1	s60
.....uaa <u>uccggaggucg</u> ggguC.....	1	1	s60
.....aa <u>uccggaggucg</u> gggu.....	1	0	s60
.....aa <u>uccggaggucg</u> ggguu.....	4	0	s60
.....aa <u>uccggaggucg</u> Aggguuc.....	2	1	s60
.....a <u>uccggaggucg</u> ggguu.....	8	0	s60
.....a <u>uccggUggucg</u> ggguu.....	1	1	s60
.....a <u>uccggaggucg</u> ggguAc.....	1	1	s60
.....a <u>uucccaccggguu</u> agaa <u>uuuu</u> .....	1	0	s60
.....Aucucuguccuuggguguug.....	1	1	s60
cucagucgguagagcaacg.....	1	0	s35
.Acagucgguagagcaacg.....	9	1	s35
.Acagucgguagagcaacgg.....	1	1	s35
.Acagucgguagagcaacggagau.....	1	1	s35
.Aagucgguagagcaacggagauca <u>aa</u> ucc.....	1	1	s35
..agucgguagagcaacggaga.....	2	0	s35
.....acggagauca <u>aa</u> uccgAaggucg.....	2	1	s35
.....acggagauca <u>aa</u> uccgAaggucguggggu.....	6	1	s35
.....cggagauca <u>aa</u> uccggaggucgugggguU.....	1	1	s35
.....Aagauca <u>aa</u> uccggaggucg.....	1	1	s35
.....agauca <u>aa</u> uccggaggucg.....	1	0	s35
.....agauC <u>aa</u> uccggaggucgug.....	1	1	s35
.....agauca <u>aa</u> uccggaggguAguagg.....	1	1	s35
.....agauca <u>aa</u> uccggaggucguggggu.....	1	0	s35
.....agauca <u>aa</u> Cccggaggucguggggu.....	1	1	s35
.....agauca <u>aa</u> uccgCaggucguggggu.....	1	1	s35
.....agauca <u>aa</u> uccggaggucgugggguA.....	1	1	s35
.....aucua <u>aa</u> uccggaggucgug.....	4	0	s35
.....aucua <u>aa</u> uccggaggucgAgg.....	2	1	s35
.....aucua <u>aa</u> uccggaggucgugg.....	1	0	s35
.....aucua <u>aa</u> uccggaggucguggg.....	3	0	s35
.....aucua <u>aa</u> uccggaggucguggggu.....	7	0	s35
.....aucua <u>aa</u> uccggaggucgugggA.....	2	1	s35
.....aucua <u>aa</u> uccggaggucgugggguA.....	98	1	s35
.....aucua <u>aa</u> uccggaggucgAggggu.....	1	1	s35
.....aucua <u>aa</u> uccggaggucguggggu.....	1	1	s35
.....aucua <u>aa</u> uccggaggucgugggguu.....	50	0	s35
.....aucua <u>aa</u> uccggUggucguggggu.....	1	1	s35
.....aucua <u>aa</u> uccggaggucgugggguAc.....	12	1	s35
.....aucuaC <u>aa</u> uccggaggucgugggguuc.....	1	1	s35
.....aucua <u>aa</u> uccggaggucgugggguuG.....	1	1	s35
.....aucua <u>aa</u> uccggaggucgugggguuc.....	2	0	s35
.....aucua <u>aa</u> uccggaggucgugggguAcc.....	1	1	s35
.....aucua <u>aa</u> uccgAaggucgugggguucc.....	4	1	s35
.....aucua <u>aa</u> uccggaggucgugggguUc.....	1	1	s35
.....aucua <u>aa</u> uccggaggucgugggguucU.....	1	1	s35
.....ucua <u>aa</u> uccggaggucgAgg.....	1	1	s35
.....ucua <u>aa</u> uccggaggucgugggguA.....	1	1	s35
.....ucua <u>aa</u> uccggaggucgugggguA.....	4	1	s35
.....ucua <u>aa</u> uccggaggucgugggguAc.....	1	1	s35
.....cuaa <u>aa</u> uccggaggucguggggu.....	2	0	s35
.....Auaa <u>aa</u> uccggaggucguggggu.....	1	1	s35
.....cuaa <u>aa</u> uccggaggucgugggguA.....	2	1	s35
.....Auaa <u>aa</u> uccggaggucgugggguu.....	6	1	s35
.....cuaa <u>aa</u> uccggaggucgugggguucU.....	1	1	s35
.....uaa <u>aa</u> uccggaggucgugggguu.....	1	0	s35

# Mature Star

cucagucgguagagcaacggagagucuaa <u>uccggaggucguggguu</u> cc <u>auuccacccggguu</u> agaa <u>uuuuuu</u> ucucuguccuugggugugcauaagaaguuucugaugc			
.....uaa <u>uccggaggucgugggu</u> AC.....	1	1	s35
.....aa <u>uccggaggucgugggu</u> .....	1	0	s35
.....aa <u>uccggaggucguggguu</u> .....	3	0	s35
.....aa <u>uccggaggucguggguu</u> c.....	1	0	s35
.....aa <u>uccgAaggucgugggu</u> ucca.....	1	1	s35
.....a <u>uccggaggucguggguu</u> .....	8	0	s35
.....a <u>uccggaggucgugggu</u> AC.....	1	1	s35
.....a <u>uccggaggucguggguu</u> cA <u>auuccaccc</u> .....	1	1	s35
.....Agucguggguucca <u>auuccaccc</u> .....	1	1	s35
.....Acguggguucca <u>auuccaccc</u> .....	1	1	s35
.....A <u>uccacccggguu</u> agaa <u>uuuu</u> .....	1	1	s35
.....a <u>cccgguu</u> agA <u>Guuuuu</u> .....	1	1	s35
.....agaucuaa <u>uccggaggCcgug</u> .....	1	1	s09
.....agaucuaa <u>uccUgaggucguggguu</u> .....	1	1	s09
.....agaucuaa <u>uccggaggucguggguu</u> .....	1	0	s09
.....agaucuaa <u>uccggaggucgugggu</u> A.....	1	1	s09
.....a <u>uccuaa</u> <u>uccggaggucgugg</u> .....	1	0	s09
.....a <u>uccuaa</u> <u>uccggaggucgugggu</u> A.....	21	1	s09
.....a <u>uccuaa</u> <u>uccggaggucguggguu</u> .....	11	0	s09
.....a <u>uccuaa</u> <u>uccggaggucgugggu</u> AC.....	2	1	s09
.....u <u>ccuaa</u> <u>uccggaggucguggguu</u> .....	1	0	s09
.....u <u>ccuaa</u> <u>uccggaggucgugggu</u> A.....	2	1	s09
.....u <u>ccuaa</u> <u>uccggaggucgugggu</u> AC.....	1	1	s09
.....A <u>uaa</u> <u>uccggaggucgugggu</u> .....	2	1	s09
.....c <u>uaa</u> <u>uccggaggucgugggu</u> A.....	2	1	s09
.....A <u>uaa</u> <u>uccggaggucguggguu</u> .....	13	1	s09
.....c <u>uaa</u> <u>uccggaggucguggguu</u> .....	4	0	s09
.....A <u>uaa</u> <u>uccggaggucguggguu</u> c.....	2	1	s09
.....c <u>uaa</u> <u>uccggaggucgugggu</u> AC.....	1	1	s09
.....a <u>auccggaggucguggguu</u> .....	1	0	s09
.....a <u>uccggaggucguggguu</u> .....	2	0	s09
...A <u>ucggu</u> agagcaacggagau.....	1	1	s13
...A <u>ucggu</u> agagcaacggagauc.....	1	1	s13
...A <u>cggua</u> gagcaacggaga.....	2	1	s13
.....acggagauca <u>auccggaggucg</u> .....	2	0	s13
.....acggagauca <u>auccgAaggucguggg</u> .....	1	1	s13
.....agaucuaa <u>uccggaggucguggguu</u> .....	1	0	s13
.....agaucuaa <u>uccggaggucgugggu</u> A.....	1	1	s13
.....a <u>uccuaa</u> <u>uccggaggucg</u> .....	1	0	s13
.....a <u>uccuaa</u> <u>uccggaggucgug</u> .....	3	0	s13
.....a <u>uccuaa</u> <u>uccggaggucgAgg</u> .....	1	1	s13
.....a <u>uccuaa</u> <u>uccggaggucgugggu</u> .....	1	0	s13
.....a <u>uccuaa</u> <u>uccggCggucguggguu</u> .....	1	1	s13
.....a <u>uccuaa</u> <u>uccggaggucgugggu</u> A.....	117	1	s13
.....a <u>uccuaa</u> <u>uccggaggucgugggu</u> C.....	1	1	s13
.....a <u>uccuaa</u> <u>uccggaggucguggguu</u> .....	48	0	s13
.....a <u>uccuaa</u> <u>uccggaggucgugggA</u> .....	1	1	s13
.....a <u>uccuaa</u> <u>uccggaggucgugggu</u> AC.....	21	1	s13
.....a <u>uccuaa</u> <u>uccggaggucguggguu</u> G.....	2	1	s13
.....u <u>ccuaa</u> <u>uccggaggucguggguu</u> .....	4	0	s13
.....u <u>ccuaa</u> <u>uccggaggucgugggu</u> A.....	6	1	s13
.....u <u>ccuaa</u> <u>uccggaggucgugggu</u> AC.....	3	1	s13
.....A <u>uaa</u> <u>uccggaggucguggg</u> .....	1	1	s13
.....A <u>uaa</u> <u>uccggaggucgugggu</u> .....	4	1	s13
.....c <u>uaa</u> <u>uccggaggucguggguu</u> .....	9	0	s13
.....c <u>uaa</u> <u>uccggaggucgugggu</u> A.....	9	1	s13
.....A <u>uaa</u> <u>uccggaggucguggguu</u> .....	67	1	s13
.....A <u>uaa</u> <u>uccggaggucguggguu</u> c.....	2	1	s13
.....c <u>uaa</u> <u>uccggaggucgugggu</u> AC.....	3	1	s13
.....c <u>uaa</u> <u>uccggaggucgugggu</u> ACC.....	1	1	s13
.....ua <u>auccggaggucguggg</u> .....	1	0	s13
.....ua <u>auccggaggucguggguu</u> .....	3	0	s13
.....ua <u>auccggaggucgugggu</u> AC.....	1	1	s13
.....a <u>auccggaggucguggguu</u> .....	1	0	s13
.....a <u>auccggaggucguggguu</u> c.....	1	0	s13
.....a <u>auccggaggucgugggu</u> AC.....	2	1	s13
.....a <u>uccggaggucguggguu</u> .....	8	0	s13
.....a <u>uccggaggucgugggu</u> AC.....	1	1	s13

# Mature Star

cucagucgguagagcaacggagau <u>ucuaa</u> <u>uccggaggucguggguu</u> <u>cca</u> <u>uucccacc</u> <u>cgguu</u> <u>agaa</u> <u>uuuu</u> uuucucuguccuugggugugcauaagaaguuucugaugc			
.....aAccggaggucguggguucc.....	1	1	s13
.Acagucgguagagcaacgg.....	1	1	s52
..Aagucgguagagcaacggagau.....	1	1	s52
...agucgguagagcaacggagau <u>cu</u> .....	2	0	s52
.....acggagau <u>cu</u> a <u>au</u> ccgAaggucguggg <u>u</u> .....	7	1	s52
.....acggagau <u>cu</u> a <u>au</u> ccgAaggucguggg <u>uu</u> .....	11	1	s52
.....acggagau <u>cu</u> a <u>au</u> ccgAaggucguggg <u>uu</u> c.....	1	1	s52
.....Aggagau <u>cu</u> a <u>au</u> ccggaggucguggg <u>uu</u> .....	1	1	s52
.....Agagau <u>cu</u> a <u>au</u> ccggaggucgugg.....	1	1	s52
.....Aagau <u>cu</u> a <u>au</u> ccggaggucguggg <u>u</u> .....	2	1	s52
.....aga <u>u</u> cu <u>C</u> uccggaggucgugg.....	1	1	s52
.....a <u>u</u> cu <u>aa</u> uccggagguc <u>u</u> .....	1	0	s52
.....a <u>u</u> cu <u>aa</u> uccggaggucguggg.....	2	0	s52
.....a <u>u</u> cu <u>aa</u> uccggaggucguggg <u>u</u> .....	9	0	s52
.....a <u>u</u> cu <u>aa</u> uccggaggucguggg <u>uu</u> .....	15	0	s52
.....a <u>u</u> cu <u>aa</u> uccggaggucguggg <u>uA</u> .....	28	1	s52
.....a <u>u</u> cu <u>aa</u> uccggaggucguggg <u>uuG</u> .....	1	1	s52
.....a <u>u</u> cu <u>aa</u> uccggaggucguggg <u>uuC</u> .....	1	0	s52
.....a <u>u</u> cu <u>aa</u> uccggaggucguggg <u>uAc</u> .....	4	1	s52
.....u <u>cu</u> a <u>au</u> uccggaggucguggg <u>uu</u> .....	4	0	s52
.....u <u>cu</u> a <u>au</u> uccggaggucguggg <u>uA</u> .....	3	1	s52
.....c <u>ua</u> a <u>u</u> ccggaggucguggg.....	1	0	s52
.....A <u>ua</u> a <u>u</u> ccggaggucguggg.....	2	1	s52
.....A <u>ua</u> a <u>u</u> ccggaggucguggg.....	4	1	s52
.....c <u>ua</u> a <u>u</u> ccggaggucguggg.....	2	0	s52
.....A <u>ua</u> a <u>u</u> ccggaggucguggg <u>uu</u> .....	4	1	s52
.....c <u>ua</u> Cuccggaggucguggg <u>uuC</u> .....	1	1	s52
.....u <u>aa</u> uccggaggucguggg.....	1	0	s52
.....u <u>aa</u> uccggaggucguggg <u>uu</u> .....	1	0	s52
.....a <u>au</u> ccggaggucguggg <u>uu</u> .....	2	0	s52
.....a <u>au</u> ccggaggucguggg <u>uu</u> cA <u>au</u> ucc <u>ca</u> .....	1	1	s52
.....a <u>u</u> ccggaggucguggg <u>uu</u> .....	3	0	s52
.....acggagau <u>cu</u> a <u>au</u> ccgAaggucg.....	1	1	s23
.....acggagau <u>cu</u> a <u>au</u> ccggaggucgug.....	1	0	s23
.....acggagau <u>cu</u> a <u>au</u> ccgAaggucguggg.....	2	1	s23
.....Aggagau <u>cu</u> a <u>au</u> ccggagguc.....	2	1	s23
.....Aggagau <u>cu</u> a <u>au</u> ccggaggucguggg <u>uu</u> .....	2	1	s23
.....aga <u>u</u> cu <u>aa</u> Cccggaggucgug.....	1	1	s23
.....aga <u>u</u> cu <u>aa</u> uccggaggucgAg.....	4	1	s23
.....aga <u>u</u> cu <u>aa</u> uccggaggucguggg <u>uuC</u> .....	2	0	s23
.....aga <u>u</u> cuCauccggaggucguggg <u>uuC</u> .....	1	1	s23
.....ga <u>u</u> cu <u>aa</u> uccggaggucgAg.....	1	1	s23
.....a <u>u</u> cu <u>aa</u> uccggaggucguggg.....	4	0	s23
.....a <u>u</u> cu <u>aa</u> uccggaggucguggg <u>uuC</u> .....	2	0	s23
.....a <u>u</u> cu <u>aa</u> uccggaggucguggg <u>uAc</u> .....	1	1	s23
.....u <u>cu</u> a <u>au</u> ccggaggucguggg <u>uuC</u> .....	2	0	s23
.....A <u>ua</u> a <u>u</u> ccggaggucguggg.....	1	1	s23
.....c <u>ua</u> a <u>u</u> ccggaggucguggg <u>uA</u> .....	1	1	s23
.....c <u>ua</u> a <u>u</u> ccggaggucguggg <u>uu</u> .....	1	0	s23
.....A <u>ua</u> a <u>u</u> ccggaggucguggg <u>uu</u> .....	5	1	s23
.....a <u>au</u> ccggaggucguggg.....	2	0	s23
.....a <u>au</u> ccggaggucguggg <u>uu</u> .....	1	0	s23
.....a <u>au</u> ccggagg <u>u</u> Aguggg <u>uuC</u> .....	2	1	s23
.....aggucguggg <u>uu</u> cc <u>aa</u> ucc <u>acc</u> U.....	1	1	s23
.Acagucgguagagcaacg.....	1	1	s72
.ucagucgguagagcaacgg.....	1	0	s72
.....acggagau <u>cu</u> a <u>au</u> ccgAaggucguggg.....	1	1	s72
.....acggagau <u>cu</u> a <u>au</u> ccgAaggucguggg.....	2	1	s72
.....a <u>u</u> cu <u>aa</u> uccggaggucguggg.....	1	0	s72
.....a <u>u</u> cu <u>aa</u> uccggaggucguggg <u>uA</u> .....	18	1	s72
.....a <u>u</u> cu <u>aa</u> uccggaggucguggg <u>uu</u> .....	10	0	s72
.....a <u>u</u> cu <u>aa</u> uccggaggucguggg <u>uAc</u> .....	2	1	s72
.....u <u>cu</u> a <u>au</u> ccggaggucguggg.....	1	0	s72
.....u <u>cu</u> a <u>au</u> ccggaggucguggg <u>uA</u> .....	3	1	s72
.....u <u>cu</u> a <u>au</u> ccgAaggucguggg <u>uuC</u> .....	1	1	s72
.....A <u>ua</u> a <u>u</u> ccggaggucguggg.....	2	1	s72
.....c <u>ua</u> a <u>u</u> ccggaggucguggg.....	1	0	s72

MatureStar

cucagucgguaagagcaacggagau <u>cuaa</u> uccggaggucgugggu <u>ucca</u> uu <u>ccccacccgggu</u> aga <u>uuuuuu</u> uuucucuguccuuggguguugcauaagaaguuuucugaugc			
.....cuaauccggaggucguggguA.....	1	1	s72
.....Auaauccggaggucguggguu.....	1	1	s72
.....uaauccggaggucguggguu.....	1	0	s72
.....auccggaggucguggguuC.....	2	0	s72
.....Auuggguguugcauaagaagu.....	1	1	s72