

Allele name	N-term comp.	C-term comp.	N-term struct.	Middle struct.	C-term struct.	CAI	Expression score	Calculated score	Accession
lmTIM.wt	34.29	42.86	-119.62	-180.20	-73.74	0.71	0	0	GU735679
lmTIM.1a	34.29	48.57	-119.31	-211.58	-24.74	0.99	2	1	GU735680
lmTIM.1b	34.29	48.57	-120.54	-202.79	-23.58	0.99	2	1	GU735681
lmTIM.1c	34.29	42.86	-116.51	-203.18	-18.98	0.99	2	1	GU735682
lmTIM.2a	57.14	48.57	-61.69	-114.49	-123.59	0.57	3	3	GU735683
lmTIM.2b	57.14	48.57	-60.42	-107.04	-123.59	0.57	3	3	GU735684
lmTIM.2c	57.14	45.71	-60.10	-101.78	-113.92	0.58	3	3	GU735685
lmTIM.3a	57.14	45.71	-133.18	-205.70	-21.28	0.95	2	3	GU735686
lmTIM.3b	57.14	51.43	-133.94	-207.01	-24.22	0.95	2	3	GU735687
lmTIM.3c	57.14	42.86	-134.51	-200.11	-18.23	0.95	2	3	GU735688
lmTIM.4a	45.71	45.71	-14.48	-22.49	-34.23	0.55	2	2	GU735689
lmTIM.4b	45.71	45.71	-14.48	-19.46	-34.23	0.56	2	2	GU735690
lmTIM.4c	45.71	45.71	-14.48	-23.33	-33.71	0.56	2	2	GU735691
lmTIM.5a	31.43	48.57	-18.47	-72.51	-79.09	0.83	1	1	GU735692
lmTIM.5b	31.43	42.86	-18.47	-66.14	-70.82	0.82	1	1	GU735693
lmTIM.5c	31.43	48.57	-18.47	-59.45	-78.47	0.82	1	1	GU735694
lmTIM.6a	57.14	57.14	-16.04	-21.55	-32.71	0.56	3	3	GU735695
lmTIM.6b	57.14	54.29	-16.04	-22.13	-34.99	0.57	3	3	GU735696
lmTIM.6c	57.14	54.29	-16.04	-23.36	-34.75	0.55	3	3	GU735697
lmTIM.7a	57.14	48.57	-19.84	-50.71	-88.13	0.79	3	3	GU735698
lmTIM.7b	57.14	48.57	-19.84	-53.70	-73.60	0.79	3	3	GU735699
lmTIM.7c	57.14	42.86	-19.84	-67.78	-76.27	0.78	3	3	GU735700
lmTIM.8a	57.14	51.43	-18.14	-10.81	-40.63	0.65	3	3	GU735701
lmTIM.8b	57.14	51.43	-18.14	-8.47	-47.45	0.65	3	3	GU735702
lmTIM.8c	57.14	51.43	-22.62	-11.00	-39.55	0.65	3	3	GU735703
lmTIM.9a	45.71	51.43	-19.87	-8.23	-30.79	0.63	3	2	GU735704
lmTIM.9b	45.71	51.43	-19.87	-8.25	-34.10	0.63	3	2	GU735705
lmTIM.9c	45.71	51.43	-22.94	-7.86	-41.07	0.66	3	2	GU735706
lmTIM.10a	45.71	51.43	-19.87	-9.95	-60.30	0.64	3	2	GU735707
lmTIM.10b	45.71	51.43	-22.94	-9.07	-35.17	0.63	3	2	GU735708
lmTIM.10c	45.71	48.57	-19.87	-11.15	-102.63	0.64	3	2	GU735709
lmTIM.11a	42.86	65.71	-13.73	-15.71	-32.86	0.65	3	3	GU735710
lmTIM.11b	45.71	65.71	-22.94	-9.45	-53.60	0.66	3	3	GU735711
lmTIM.11c	45.71	65.71	-19.21	-9.68	-54.01	0.66	3	3	GU735712
lmTIM.12a	45.71	51.43	-143.28	-187.88	-49.88	0.68	0	0	GU735713
lmTIM.12b	45.71	51.43	-143.28	-205.49	-50.40	0.69	0	0	GU735714
lmTIM.12c	45.71	51.43	-143.28	-202.77	-50.22	0.68	0	0	GU735715
lmTIM.13a	57.14	51.43	-18.14	-157.59	-50.40	0.68	3	3	GU735716
lmTIM.13b	57.14	51.43	-18.14	-160.97	-52.30	0.68	3	3	GU735717
lmTIM.13c	57.14	51.43	-18.14	-164.16	-52.30	0.68	3	3	GU735718
lmTIM.14a	57.14	51.43	-18.14	-193.41	-48.55	0.66	3	3	GU735719
lmTIM.14b	57.14	48.57	-22.62	-199.61	-48.55	0.66	3	3	GU735720
lmTIM.14c	57.14	51.43	-18.14	-196.19	-57.46	0.65	3	3	GU735721
lmTIM.15a	54.29	40.00	-14.14	-225.02	-686.83	0.69	1	1	GU735722
lmTIM.15b	54.29	40.00	-14.14	-231.31	-686.83	0.68	1	1	GU735723

lmTIM.15c	54.29	40.00	-14.14	-232.61	-686.83	0.68	1	1	GU735724
lmTIM.16a	51.43	54.29	-83.93	-313.72	-518.18	0.91	3	2	GU735725
lmTIM.16b	51.43	54.29	-84.58	-282.89	-518.18	0.90	3	2	GU735726
lmTIM.17a	57.14	54.29	-87.17	-313.74	-518.18	0.90	3	3	GU735727
lmTIM.17b	57.14	54.29	-89.79	-281.35	-518.18	0.90	3	3	GU735728
lmTIM.18a	57.14	54.29	-117.54	-284.18	-518.18	0.89	3	3	GU735729
lmTIM.18b	57.14	54.29	-119.11	-315.00	-518.18	0.89	3	3	GU735730
lmTIM.19a	57.14	54.29	-103.97	-315.51	-518.18	0.88	3	3	GU735731
lmTIM.19b	57.14	54.29	-90.55	-315.56	-518.18	0.88	3	3	GU735732
lmTIM.20a	57.14	54.29	-102.57	-302.03	-518.18	0.88	3	3	GU735733
lmTIM.20b	57.14	54.29	-96.25	-283.21	-518.18	0.88	3	3	GU735734
lmTIM.21a	57.14	54.29	-72.67	-280.84	-518.18	0.88	3	3	GU735735
lmTIM.21b	57.14	54.29	-91.15	-281.53	-518.18	0.88	3	3	GU735736
lmTIM.22a	51.43	54.29	-83.93	-313.72	-518.18	0.91	3	2	GU735737
lmTIM.22b	51.43	54.29	-84.58	-282.89	-518.18	0.90	3	2	GU735738
lmTIM.23a	57.14	54.29	-94.72	-282.41	-518.18	0.90	3	3	GU735739
lmTIM.23b	57.14	54.29	-88.00	-312.82	-518.18	0.90	3	3	GU735740
lmTIM.24a	57.14	54.29	-110.72	-283.62	-518.18	0.89	3	3	GU735741
lmTIM.24b	57.14	54.29	-105.38	-314.22	-518.18	0.90	3	3	GU735742
lmTIM.25a	57.14	54.29	-173.76	-288.64	-518.18	0.87	1	2	GU735743
lmTIM.25b	57.14	54.29	-155.48	-295.13	-518.18	0.88	1	2	GU735744
lmTIM.26a	57.14	54.29	-124.66	-305.40	-518.18	0.87	1	2	GU735745
lmTIM.26b	57.14	54.29	-114.59	-285.38	-518.18	0.87	1	2	GU735746
lmTIM.27a	57.14	54.29	-161.07	-298.40	-518.18	0.87	1	2	GU735747
lmTIM.27b	57.14	54.29	-162.95	-300.56	-518.18	0.87	1	2	GU735748
lmTIM.28	45.71	54.29	-81.31	-290.96	-518.18	0.91	2	1	GU735749
lmTIM.29a	57.14	37.14	-46.86	-208.11	-40.89	0.84	3	3	GU735750
lmTIM.29b	54.29	37.14	-46.86	-163.61	-58.47	0.84	3	1	GU735751
lmTIM.29c	57.14	37.14	-48.64	-162.00	-42.00	0.83	3	3	GU735752
lmTIM.30a	57.14	34.29	-46.86	-8.36	-32.07	0.77	3	3	GU735753
lmTIM.30b	57.14	34.29	-46.86	-8.95	-33.78	0.76	3	3	GU735754
lmTIM.30c	57.14	40.00	-46.86	-8.01	-35.33	0.76	3	3	GU735755
lmTIM.31a	40.00	42.86	-43.05	-200.46	-38.93	0.83	1	0	GU735756
lmTIM.31b	40.00	42.86	-43.05	-204.33	-38.93	0.84	1	0	GU735757
lmTIM.31c	40.00	42.86	-43.05	-159.17	-57.41	0.83	0	0	GU735758
lmTIM.32a	40.00	40.00	-54.35	-13.43	-35.11	0.76	0	1	GU735759
lmTIM.32b	40.00	40.00	-51.45	-13.50	-35.11	0.76	1	1	GU735760
lmTIM.32c	40.00	40.00	-51.40	-14.25	-31.33	0.76	0	1	GU735761
lmTIM.33a	40.00	54.29	-51.83	-109.35	-122.97	0.71	0	1	GU735762
lmTIM.33b	40.00	54.29	-89.35	-109.25	-122.97	0.72	0	0	GU735763
lmTIM.34a	54.29	54.29	-45.81	-107.96	-122.97	0.71	3	2	GU735764
lmTIM.34b	48.57	54.29	-63.79	-107.25	-122.97	0.71	1	1	GU735765
lmTIM.35a	54.29	54.29	-49.17	-109.45	-122.97	0.71	3	2	GU735766
lmTIM.35b	48.57	54.29	-59.17	-106.75	-122.97	0.70	1	1	GU735767
lmTIM.36a	60.00	54.29	-71.23	-106.83	-122.97	0.70	3	3	GU735768
lmTIM.36b	57.14	54.29	-73.76	-110.59	-122.97	0.70	3	3	GU735769

lmTIM.37a	60.00	54.29	-69.41	-109.47	-122.97	0.70	3	3	GU735770
lmTIM.37b	60.00	54.29	-69.41	-125.70	-110.31	0.70	3	3	GU735771
lmTIM.38a	60.00	22.86	-69.41	-105.07	-107.75	0.69	3	3	GU735772
lmTIM.38b	60.00	22.86	-69.41	-104.65	-103.70	0.69	3	3	GU735773
lmTIM.39a	60.00	28.57	-69.41	-108.18	-129.83	0.69	3	3	GU735774
lmTIM.39b	60.00	28.57	-69.41	-98.52	-95.26	0.68	3	3	GU735775
lmTIM.40a	60.00	40.00	-69.41	-90.66	-16.54	0.70	3	3	GU735776
lmTIM.40b	60.00	40.00	-69.41	-90.86	-20.05	0.69	3	3	GU735777
lmTIM.41a	60.00	40.00	-69.41	-90.59	-15.96	0.69	3	3	GU735778
lmTIM.41b	60.00	40.00	-69.41	-90.59	-17.82	0.69	3	3	GU735779
lmTIM.42a	45.71	54.29	-323.91	-127.87	-122.97	0.70	0	0	GU735780
lmTIM.42b	48.57	54.29	-280.35	-126.04	-122.97	0.70	1	1	GU735781
lmTIM.43a	60.00	54.29	-130.39	-113.54	-122.97	0.70	3	3	GU735782
lmTIM.43b	60.00	54.29	-94.46	-112.18	-122.97	0.70	3	3	GU735783
lmTIM.44a	60.00	54.29	-80.01	-108.09	-122.97	0.70	3	3	GU735784
lmTIM.44b	60.00	54.29	-84.06	-108.11	-122.97	0.70	3	3	GU735785
lmTIM.45a	60.00	57.14	-69.41	-127.88	-605.05	0.70	3	3	GU735786
lmTIM.45b	60.00	57.14	-69.41	-118.71	-444.73	0.70	3	3	GU735787
lmTIM.46a	60.00	54.29	-69.41	-101.71	-214.64	0.70	3	3	GU735788
lmTIM.46b	60.00	54.29	-69.41	-109.80	-244.86	0.70	3	3	GU735789
lmTIM.47a	60.00	45.71	-69.41	-93.70	-35.28	0.71	3	3	GU735790
lmTIM.47b	60.00	45.71	-69.41	-103.47	-97.66	0.71	3	3	GU735791
lmTIM.48a	40.00	22.86	-50.50	-199.35	-60.63	0.68	0	0	GU735792
lmTIM.48b	40.00	22.86	-51.45	-191.16	-142.25	0.72	1	0	GU735793
lmTIM.49a	54.29	45.71	-54.51	-174.20	-57.22	0.80	1	1	GU735794
lmTIM.49b	54.29	42.86	-54.25	-152.92	-38.83	0.80	1	1	GU735795
lmTIM.49c	48.57	45.71	-43.71	-178.11	-60.27	0.79	3	1	GU735796
lmTIM.50a	60.00	54.29	-71.66	-190.99	-77.44	0.67	2	3	GU735797
lmTIM.50b	60.00	54.29	-71.66	-199.49	-77.44	0.67	2	3	GU735798

Allele name	N-term comp.	C-term comp.	N-term struct.	Middle struct.	C-term struct.	CAI	Expression score	Calculated score	Accession
ggFABP.wt	45.71	48.57	-51.00	-152.26	-146.44	0.57	3	1	GU735799
ggFABP.1a	37.14	45.71	-92.35	-85.26	-79.85	0.98	1	1	GU735800
ggFABP.1b	34.29	51.43	-81.87	-88.73	-70.76	0.98	0	1	GU735801
ggFABP.2a	60.00	54.29	-95.39	-76.39	-323.44	0.61	3	3	GU735802
ggFABP.2b	60.00	54.29	-95.39	-124.35	-322.99	0.63	3	3	GU735803
ggFABP.2c	60.00	54.29	-95.39	-117.64	-267.70	0.65	3	3	GU735804
ggFABP.3a	60.00	48.57	-177.76	-100.06	-74.01	0.93	3	3	GU735805
ggFABP.3b	60.00	48.57	-178.37	-93.66	-73.47	0.92	3	3	GU735806
ggFABP.4a	48.57	48.57	-22.34	0.00	-27.51	0.56	3	2	GU735807
ggFABP.4b	48.57	48.57	-22.34	0.00	-27.51	0.58	3	2	GU735808
ggFABP.4c	51.43	48.57	-23.31	0.00	-27.51	0.55	3	2	GU735809
ggFABP.5a	34.29	51.43	-32.19	-61.50	-22.19	0.90	1	1	GU735810
ggFABP.5b	34.29	48.57	-32.19	-74.52	-23.66	0.90	1	1	GU735811
ggFABP.5c	34.29	48.57	-32.19	-54.67	-20.71	0.89	1	1	GU735812
ggFABP.6a	57.14	45.71	-33.80	-10.85	-29.45	0.55	3	3	GU735813
ggFABP.6b	57.14	45.71	-33.80	-5.52	-29.45	0.55	3	3	GU735814
ggFABP.6c	57.14	45.71	-33.80	-5.22	-29.45	0.57	3	3	GU735815
ggFABP.7a	57.14	51.43	-33.80	-69.69	-20.84	0.84	3	3	GU735816
ggFABP.7b	57.14	45.71	-33.80	-54.45	-22.34	0.84	3	3	GU735817
ggFABP.8a	37.14	54.29	-100.70	-93.05	-74.31	0.99	1	1	GU735818
ggFABP.8b	34.29	42.86	-90.03	-87.89	-75.62	0.97	0	1	GU735819
ggFABP.8c	37.14	51.43	-105.03	-86.89	-74.91	0.98	1	1	GU735820
ggFABP.9a	60.00	40.00	-140.54	-120.91	-210.70	0.68	3	3	GU735821
ggFABP.9b	60.00	45.71	-205.92	-126.21	-201.55	0.65	3	3	GU735822
ggFABP.9c	60.00	45.71	-205.29	-133.69	-196.63	0.66	3	3	GU735823
ggFABP.10a	60.00	51.43	-214.08	-114.58	-173.70	0.86	2	3	GU735824
ggFABP.10b	60.00	45.71	-236.73	-74.80	-78.22	0.87	2	3	GU735825
ggFABP.10c	60.00	45.71	-236.63	-119.35	-77.84	0.87	3	3	GU735826
ggFABP.11a	45.71	42.86	-23.43	-16.24	-21.90	0.65	3	2	GU735827
ggFABP.11b	48.57	42.86	-22.32	-12.14	-21.90	0.67	2	2	GU735828
ggFABP.12a	37.14	48.57	-21.28	-9.71	-41.40	0.86	1	1	GU735829
ggFABP.12b	40.00	45.71	-21.28	-31.76	-50.33	0.87	1	1	GU735830
ggFABP.12c	40.00	45.71	-21.22	-41.03	-53.58	0.86	1	1	GU735831
ggFABP.13a	60.00	48.57	-122.60	-50.55	-22.72	0.67	3	3	GU735832
ggFABP.13b	60.00	40.00	-127.15	-60.65	-67.35	0.66	3	3	GU735833
ggFABP.13c	60.00	57.14	-126.92	-63.50	-36.60	0.65	3	3	GU735834
ggFABP.14a	60.00	40.00	-49.81	-58.78	-42.15	0.80	3	3	GU735835
ggFABP.14b	60.00	54.29	-57.87	-79.60	-59.75	0.78	3	3	GU735836
ggFABP.14c	60.00	42.86	-49.81	-60.50	-38.66	0.78	2	3	GU735837

Allele name	N-term comp.	C-term comp.	N-term struct.	Middle struct.	C-term struct.	CAI	Expression score	Calculated score	Accession
ttAST.wt	37.14	25.71	-85.29	-467.78	-311.02	0.57	0	0	GU735838
ttAST.1a	65.71	51.43	-111.25	-115.46	-73.38	0.48	2	2	GU735839
ttAST.1b	65.71	51.43	-62.77	-111.53	-93.15	0.48	2	2	GU735840
ttAST.1c	65.71	51.43	-80.96	-113.49	-93.15	0.48	2	2	GU735841
ttAST.2a	28.57	54.29	-143.83	-306.18	-48.25	0.98	0	1	GU735842
ttAST.2b	28.57	51.43	-244.07	-321.92	-52.09	0.98	0	1	GU735843
ttAST.2c	31.43	48.57	-239.87	-316.87	-68.87	0.98	0	1	GU735844
ttAST.3a	65.71	51.43	-186.71	-316.06	-404.84	0.89	3	3	GU735845
ttAST.3b	65.71	51.43	-152.02	-312.70	-404.84	0.89	3	3	GU735846
ttAST.4a	37.14	42.86	-23.69	-24.87	-54.75	0.51	0	0	GU735847
ttAST.4b	34.29	40.00	-23.69	-22.58	-27.99	0.50	0	0	GU735848
ttAST.4c	31.43	40.00	-23.69	-23.96	-27.99	0.49	0	0	GU735849
ttAST.5a	37.14	45.71	-22.59	-17.26	-39.57	0.82	1	1	GU735850
ttAST.5b	37.14	51.43	-22.59	-17.56	-38.39	0.82	1	1	GU735851
ttAST.5c	37.14	45.71	-22.59	-18.23	-35.46	0.81	1	1	GU735852
ttAST.6a	62.86	51.43	-36.27	-19.25	-35.33	0.49	2	2	GU735853
ttAST.6b	62.86	51.43	-36.27	-17.27	-35.33	0.48	2	2	GU735854
ttAST.6c	62.86	51.43	-36.27	-20.25	-35.33	0.48	2	2	GU735855
ttAST.7a	62.86	48.57	-36.27	-7.37	-27.07	0.73	3	3	GU735856
ttAST.7b	62.86	48.57	-36.27	-9.40	-27.07	0.73	3	3	GU735857
ttAST.7c	62.86	48.57	-36.27	-8.41	-27.07	0.73	3	3	GU735858
ttAST.8b	54.29	54.29	-311.93	-266.36	-229.72	0.74	2	1	GU735859
ttAST.8c	54.29	48.57	-311.93	-282.56	-274.75	0.74	2	1	GU735860
ttAST.9a	54.29	45.71	-144.19	-234.79	-56.35	0.75	1	1	GU735861
ttAST.9b	54.29	48.57	-144.19	-228.60	-56.99	0.75	2	1	GU735862
ttAST.9c	54.29	45.71	-167.72	-237.71	-56.35	0.75	2	1	GU735863
ttAST.10a	54.29	51.43	-63.75	-118.12	-71.52	0.77	1	1	GU735864
ttAST.10c	54.29	48.57	-50.57	-134.05	-40.38	0.77	0	1	GU735865
ttAST.11a	54.29	51.43	-215.23	-249.52	-412.60	0.75	0	1	GU735866
ttAST.11b	54.29	51.43	-207.72	-258.41	-342.00	0.75	0	1	GU735867
ttAST.11c	54.29	51.43	-195.82	-241.05	-342.00	0.75	0	1	GU735868
ttAST.12a	54.29	45.71	-46.85	-151.80	-239.81	0.74	1	1	GU735869
ttAST.12b	54.29	42.86	-46.85	-160.47	-228.95	0.74	1	1	GU735870
ttAST.13a	51.43	42.86	-107.83	-128.11	-120.66	0.71	1	1	GU735871
ttAST.13b	51.43	42.86	-107.83	-151.31	-120.66	0.71	1	1	GU735872
ttAST.14a	54.29	51.43	-104.46	-191.15	-123.64	0.75	1	1	GU735873
ttAST.14b	54.29	48.57	-102.81	-188.06	-120.10	0.74	2	1	GU735874
ttAST.15a	54.29	45.71	-217.89	-163.36	-56.66	0.79	1	1	GU735875
ttAST.15b	54.29	42.86	-206.39	-145.70	-97.83	0.79	1	1	GU735876
ttAST.16a	28.57	48.57	-100.42	-135.28	-30.28	0.76	0	0	GU735877
ttAST.16b	28.57	48.57	-92.22	-135.09	-30.28	0.76	0	0	GU735878
ttAST.17a	28.57	48.57	-100.42	-135.28	-30.28	0.76	0	0	GU735879
ttAST.17b	28.57	48.57	-92.22	-135.09	-30.28	0.76	0	0	GU735880
ttAST.18a	28.57	48.57	-100.42	-135.28	-30.28	0.76	0	0	GU735881
ttAST.18b	28.57	48.57	-92.22	-135.09	-30.28	0.76	0	0	GU735882

ttAST.19a	34.29	48.57	-54.93	-133.79	-30.28	0.76	0	0	GU735883
ttAST.19b	37.14	48.57	-62.13	-133.96	-30.28	0.76	0	0	GU735884
ttAST.19c	37.14	48.57	-58.13	-134.34	-30.28	0.76	0	0	GU735885
ttAST.20a	42.86	48.57	-50.73	-133.69	-30.28	0.75	1	1	GU735886
ttAST.20b	45.71	48.57	-95.29	-135.70	-30.28	0.75	1	1	GU735887
ttAST.20c	45.71	48.57	-57.42	-133.53	-30.28	0.76	2	1	GU735888
ttAST.21a	51.43	51.43	-59.95	-153.82	-58.38	0.66	1	1	GU735889
ttAST.21b	51.43	51.43	-59.95	-156.10	-52.73	0.66	1	1	GU735890
ttAST.21c	51.43	54.29	-59.95	-147.52	-61.87	0.66	1	1	GU735891
ttAST.22a	45.71	48.57	-59.83	-133.91	-30.28	0.75	2	1	GU735892
ttAST.22b	45.71	48.57	-91.44	-133.97	-30.28	0.75	1	1	GU735893
ttAST.22c	51.43	48.57	-59.29	-133.19	-30.28	0.75	2	1	GU735894
ttAST.23a	45.71	48.57	-59.83	-133.91	-30.28	0.75	2	1	GU735895
ttAST.23b	51.43	48.57	-68.28	-133.97	-30.28	0.75	1	1	GU735896
ttAST.23c	45.71	48.57	-55.03	-133.97	-30.28	0.75	1	1	GU735897
ttAST.24a	45.71	48.57	-61.51	-134.01	-30.28	0.75	2	1	GU735898
ttAST.24b	45.71	48.57	-54.60	-133.53	-30.28	0.75	1	1	GU735899
ttAST.24c	51.43	48.57	-87.94	-136.19	-30.28	0.75	1	1	GU735900
ttAST.25a	54.29	22.86	-97.37	-140.38	-77.55	0.51	0	0	GU735901
ttAST.25b	54.29	22.86	-97.37	-142.14	-126.91	0.51	0	0	GU735902
ttAST.26a	54.29	28.57	-97.37	-138.18	-30.15	0.51	0	0	GU735903
ttAST.26b	54.29	28.57	-97.37	-141.91	-118.06	0.51	0	1	GU735904
ttAST.27a	54.29	42.86	-97.37	-144.47	-183.45	0.52	0	1	GU735905
ttAST.27b	54.29	40.00	-97.37	-141.20	-105.70	0.51	0	0	GU735906
ttAST.28a	31.43	54.29	-85.28	-138.91	-42.22	0.51	0	0	GU735907
ttAST.28b	31.43	54.29	-85.77	-139.31	-42.22	0.51	0	0	GU735908
ttAST.29a	34.29	54.29	-66.85	-136.72	-42.22	0.51	0	0	GU735909
ttAST.29b	40.00	54.29	-69.95	-137.15	-42.22	0.51	0	0	GU735910
ttAST.30a	51.43	54.29	-98.07	-138.31	-42.22	0.51	1	0	GU735911
ttAST.30b	48.57	54.29	-77.46	-137.30	-42.22	0.51	1	0	GU735912
ttAST.31a	54.29	54.29	-97.37	-137.72	-42.22	0.51	0	0	GU735913
ttAST.31b	54.29	54.29	-97.77	-157.43	-69.07	0.54	0	1	GU735914
ttAST.32a	31.43	22.86	-64.63	-171.86	-37.39	0.50	0	0	GU735915
ttAST.32b	31.43	22.86	-64.63	-213.21	-32.81	0.50	0	0	GU735916
ttAST.33a	42.86	37.14	-67.65	-91.44	-16.03	0.52	2	1	GU735917
ttAST.33b	45.71	42.86	-64.56	-106.59	-14.39	0.52	2	1	GU735918
ttAST.34	54.29	57.14	-97.37	-146.27	-269.89	0.51	0	0	GU735919
ttAST.35	54.29	57.14	-97.37	-141.14	-160.71	0.51	0	0	GU735920
ttAST.36	54.29	54.29	-97.37	-137.55	-37.11	0.51	0	1	GU735921
ttAST.37a	51.43	54.29	-323.29	-147.32	-42.22	0.51	2	1	GU735922
ttAST.37b	54.29	54.29	-246.82	-144.83	-42.22	0.51	3	1	GU735923
ttAST.38a	54.29	54.29	-188.20	-141.76	-42.22	0.51	3	0	GU735924
ttAST.38b	54.29	54.29	-214.54	-143.12	-42.22	0.51	2	1	GU735925
ttAST.39a	54.29	54.29	-99.97	-137.68	-42.22	0.51	0	0	GU735926
ttAST.39b	54.29	54.29	-131.00	-139.11	-42.22	0.51	3	1	GU735927
ttAST.40a	48.57	22.86	-82.70	-87.38	-9.87	0.52	1	1	GU735928

ttAST.40b	48.57	22.86	-82.70	-90.44	-75.40	0.52	1	1	GU735929
ttAST.41a	48.57	28.57	-82.70	-87.58	-9.35	0.51	1	1	GU735930
ttAST.41b	48.57	31.43	-82.70	-87.58	-15.85	0.51	1	1	GU735931
ttAST.42a	48.57	40.00	-82.70	-87.38	-14.01	0.52	1	1	GU735932
ttAST.42b	48.57	42.86	-82.70	-87.38	-14.31	0.51	1	1	GU735933
ttAST.43a	48.57	48.57	-82.70	-87.38	-16.65	0.51	1	1	GU735934
ttAST.43b	48.57	48.57	-82.70	-87.58	-16.32	0.51	1	0	GU735935
ttAST.44a	48.57	54.29	-82.70	-100.43	-457.27	0.52	1	1	GU735936
ttAST.44b	48.57	51.43	-82.70	-100.91	-343.47	0.51	1	1	GU735937
ttAST.45a	48.57	48.57	-82.70	-90.02	-124.35	0.51	1	1	GU735938
ttAST.45b	48.57	45.71	-82.70	-91.03	-75.16	0.52	1	1	GU735939
ttAST.46a	48.57	48.57	-82.70	-87.64	-22.37	0.52	1	1	GU735940
ttAST.46b	48.57	45.71	-82.70	-87.38	-9.27	0.52	1	1	GU735941
ttAST.47a	31.43	22.86	-64.63	-177.73	-9.87	0.50	0	0	GU735942
ttAST.47b	31.43	22.86	-64.63	-177.70	-9.87	0.50	0	0	GU735943
ttAST.48a	40.00	40.00	-74.53	-104.32	-48.71	0.52	1	1	GU735944
ttAST.48b	42.86	40.00	-64.56	-122.12	-14.01	0.52	2	1	GU735945
ttAST.49a	54.29	57.14	-132.20	-189.17	-146.05	0.55	3	2	GU735946
ttAST.49b	54.29	57.14	-108.30	-182.43	-177.47	0.56	3	2	GU735947
ttAST.50a	31.43	54.29	-64.63	-87.32	-24.83	0.52	0	0	GU735948
ttAST.50b	31.43	54.29	-81.36	-88.15	-24.83	0.52	0	0	GU735949
ttAST.51a	34.29	54.29	-65.42	-87.38	-24.83	0.52	1	1	GU735950
ttAST.51b	40.00	54.29	-63.59	-87.66	-24.83	0.52	1	1	GU735951
ttAST.52a	48.57	54.29	-82.70	-87.63	-24.83	0.52	1	1	GU735952
ttAST.52b	48.57	54.29	-94.77	-88.86	-24.83	0.52	1	1	GU735953
ttAST.53a	54.29	54.29	-103.30	-87.85	-24.83	0.52	3	2	GU735954
ttAST.53b	54.29	54.29	-117.30	-89.14	-24.83	0.52	3	2	GU735955
ttAST.54a	51.43	54.29	-345.90	-108.70	-24.83	0.52	1	1	GU735956
ttAST.54b	54.29	54.29	-257.67	-101.24	-24.83	0.52	2	1	GU735957
ttAST.55a	54.29	54.29	-206.22	-94.45	-24.83	0.52	0	1	GU735958
ttAST.55b	54.29	54.29	-235.54	-101.4	-24.83	0.516	1	1	GU735959
ttAST.56a	54.29	54.29	-103.3	-87.85	-24.83	0.519	3	2	GU735960
ttAST.56b	54.29	54.29	-131.2	-94.5	-24.83	0.518	0	1	GU735961
ttAST.57a	54.29	54.29	-97.77	-87.92	-24.83	0.519	0	2	GU735962
ttAST.57b	54.29	54.29	-114.9	-110.07	-51.04	0.527	0	1	GU735963