

Table 5: Genetic map for Brassica napus based on SG population compressed in

Order	DH12075v4_ID	New_name_rapa
1	Bn-N1-p148713	Bn-A01-p137814
13	Bn-N1-p455627	Bn-A01-p460072
31	Bn-N1-p819843	Bn-C2-p12033716
35	Bn-N1-p1001647	Bn-A01-p974934
60	Bn-N1-p1292716	Bn-A01-p1250595
65	Bn-N1-p1418752	Bn-A01-p1372430
76	Bn-N1-p1703757	Bn-A01-p1661180
79	Bn-N1-p1806273	Bn-A01-p1742846
82	Bn-N1-p1840607	Bn-A01-p1770291
94	Bn-N1-p2040832	Bn-A01-p1990755
101	Bn-N1-p2145056	Bn-A01-p2094793
104	Bn-N1-p2211868	Bn-A01-p2171217
106	Bn-N1-p2284563	Bn-A01-p2242890
123	Bn-N1-p2720419	Bn-A01-p2667471
130	Bn-N1-p2879286	Bn-A01-p2825565
137	Bn-N1-p3051730	Bn-A01-p2990104
151	Bn-N1-p3247018	Bn-A01-p3183888
152	Bn-N1-p3356185	Bn-A01-p3306526
170	Bn-N1-p3952570	Bn-A01-p3904495
199	Bn-N1-p4828077	Bn-A01-p4812269
215	Bn-N1-p5078759	Bn-A01-p5106042
216	Bn-N1-p5157847	Bn-A01-p5193639
254	Bn-N1-p5588331	Bn-A01-p5590998
286	Bn-N1-p6206809	Bn-A01-p6182710
292	Bn-N1-p6286302	Bn-A01-p6274135
300	Bn-N1-p6671771	Bn-A01-p6687707
309	Bn-N1-p6894209	Bn-A01-p6898291
324	Bn-N1-p7686806	Bn-A01-p7648929
329	Bn-N1-p7947519	Bn-A01-p7889385
335	Bn-N1-p8033912	Bn-A01-p7979458
342	Bn-N1-p8072235	Bn-A01-p8017380
388	Bn-N1-p8995481	Bn-A01-p9442471
400	Bn-N1-p9398357	Bn-A01-p9884449
404	Bn-N1-p9540618	Bn-A01-p9996458
405	Bn-N1-p9782678	Bn-A01-p10231780
423	Bn-N1-p10024494	Bn-C4-p24903660
471	Bn-N1-p11321978	Bn-A01-p11825880
678	Bn-N1-p19905997	Bn-A01-p19983739
711	Bn-N1-p21381690	Bn-A01-p21393260
724	Bn-N1-p21689831	Bn-A01-p21709916
727	Bn-N1-p21832963	Bn-A01-p21855770
746	Bn-N1-p22039892	Bn-A01-p22051510
748	Bn-N1-p22090041	Bn-A01-p22087629
750	Bn-N1-p22242804	Bn-A01-p22681496
781	Bn-N1-p23075763	Bn-A01-p23568963

783	Bn-N1-p23129730	Bn-C1-p37030858
784	Bn-N1-p23132864	Bn-A01-p23614494
791	Bn-N1-p23209338	Bn-A01-p23694782
805	Bn-N1-p23749821	Bn-A01-p24504575
819	Bn-N1-p23944238	Bn-A01-p24697185
830	Bn-N1-p24226858	Bn-Scaffold000164-p244631
844	Bn-N1-p24408926	Bn-Scaffold000164-p55747
859	Bn-N1-p24868250	Bn-Scaffold000386-p1325
865	Bn-N1-p25216255	Bn-A01-p27331467
870	Bn-N1-p25466344	Bn-A01-p27580681
873	Bn-N1-p25801701	Bn-A01-p27866419
880	Bn-N1-p26094193	Bn-A01-p28102080
888	Bn-N1-p26290806	Bn-A01-p28462071
895	Bn-N1-p26698258	Bn-A01-p25517197
909	Bn-N1-p27020484	Bn-A01-p25040577
922	Bn-N2-p3922255	Bn-A02-p1707420
934	Bn-N2-p1000576	Bn-A02-p2292871
937	Bn-N2-p1244624	Bn-A02-p2542065
938	Bn-N2-p1274020	Bn-A02-p2572625
940	Bn-N2-p1314947	Bn-A02-p2617701
950	Bn-N2-p1453265	Bn-A02-p2739888
957	Bn-N2-p1786578	Bn-A02-p1096082
958	Bn-N2-p1790534	Bn-A02-p1092146
964	Bn-N2-p1952858	Bn-A02-p2877222
965	Bn-N2-p1983351	Bn-A02-p2923889
970	Bn-N2-p2151215	Bn-A02-p3074016
971	Bn-N2-p2196718	Bn-A02-p3121742
975	Bn-N2-p2256921	Bn-A02-p3175610
983	Bn-N2-p2345136	Bn-A02-p3260536
984	Bn-N2-p2380926	Bn-A02-p3294682
988	Bn-N2-p2434012	Bn-A02-p3344176
991	Bn-N2-p2458886	Bn-A02-p3374678
992	Bn-N2-p2482742	Bn-A02-p3398506
997	Bn-N2-p2616924	Bn-A02-p3542024
1009	Bn-N2-p3119297	Bn-A02-p4035808
1020	Bn-N2-p3355557	Bn-A02-p4277649
1029	Bn-N2-p3865572	Bn-A02-p4773307
1032	Bn-N2-p4461220	Bn-A02-p5326222
1033	Bn-N12-p6060989	Bn-A02-p5394958
1034	Bn-N2-p4567982	Bn-A02-p5429003
1042	Bn-N2-p4725469	Bn-A02-p5574727
1051	Bn-N2-p5035622	Bn-A02-p5859447
1052	Bn-N2-p5101425	Bn-A02-p5907701
1057	Bn-N2-p5291239	Bn-A02-p6084757
1083	Bn-N2-p5711970	Bn-A02-p6478309
1090	Bn-N2-p5919336	Bn-A02-p6658392
1117	Bn-N2-p6595573	Bn-A02-p7319800
1185	Bn-N2-p7984224	Bn-A02-p8625851
1194	Bn-N2-p8138197	Bn-A02-p8777846

1195	Bn-N2-p8215157	Bn-A02-p8865764
1232	Bn-N2-p8688243	Bn-A02-p9339288
1295	Bn-N2-p10579677	Bn-A02-p11041726
1356	Bn-N2-p10907135	Bn-A02-p11346389
1389	Bn-N2-p11561943	Bn-A02-p11817742
1407	Bn-N2-p11905764	Bn-A02-p12145607
1416	Bn-N2-p12045225	Bn-A02-p12292026
1489	Bn-N2-p13922267	Bn-A02-p14078497
1497	Bn-N2-p14075845	Bn-A02-p14227678
1503	Bn-N2-p14254515	Bn-Scaffold000262-p25395
1526	Bn-N2-p15525546	Bn-A02-p15637932
1551	Bn-N2-p16741741	Bn-A05-p9078281
1562	Bn-N2-p18281250	Bn-A02-p17381818
1568	Bn-N2-p21124875	Bn-A02-p18599005
1590	Bn-N2-p21822532	Bn-A02-p19261853
1636	Bn-N2-p22881947	Bn-A02-p21061002
1660	Bn-N2-p24122314	Bn-A02-p19756499
1662	Bn-N2-p24221591	Bn-A02-p22843446
1665	Bn-N2-p24299028	Bn-A02-p22757902
1673	Bn-N2-p24508335	Bn-A02-p22352518
1683	Bn-N2-p25829195	Bn-A02-p23411852
1698	Bn-N2-p25955982	Bn-Scaffold016439-p48
1705	Bn-N2-p26087020	Bn-A02-p23668607
1711	Bn-N12-p40545513	Bn-C2-p47337384
1713	Bn-N2-p26180452	Bn-A02-p23792703
1729	Bn-N2-p26534947	Bn-A02-p24178094
1744	Bn-N2-p26761096	Bn-A02-p24415454
1745	Bn-N2-p26799071	Bn-A02-p24449690
1752	Bn-N2-p26923902	Bn-A02-p24552542
1760	Bn-N2-p27068181	Bn-C2-p49029761
1765	Bn-N2-p27309412	Bn-A02-p24948938
1768	Bn-N2-p27435756	Bn-A02-p25100451
1772	Bn-N2-p27518281	Bn-A02-p25188041
1777	Bn-N2-p27686816	Bn-A02-p25400591
1814	Bn-N2-p27948371	Bn-A02-p25681480
1820	Bn-N2-p28092398	Bn-A02-p25826690
1821	Bn-N2-p28101502	Bn-A02-p25841130
1829	Bn-N2-p28125432	Bn-A02-p25865360
1835	Bn-N2-p28771949	Bn-A02-p26982864
1858	Bn-N2-p29609872	Bn-A02-p27831174
1860	Bn-N3-p330552	Bn-A03-p312762
1875	Bn-N3-p772129	Bn-A03-p765077
1879	Bn-N3-p1010731	Bn-A03-p991949
1882	Bn-N3-p1080752	Bn-A03-p1050437
1898	Bn-N3-p1499294	Bn-A03-p1488306
1908	Bn-N3-p1755477	Bn-A03-p1711856
1916	Bn-N3-p2019723	Bn-A03-p1926809
1919	Bn-N3-p2055094	Bn-A03-p1954639
1936	Bn-N3-p2679025	Bn-A03-p2579866

1941	Bn-N3-p2742051	Bn-A03-p2645391
1957	Bn-N3-p2966999	Bn-A03-p2891934
1961	Bn-N3-p3074368	Bn-A03-p2997270
1968	Bn-N3-p3183725	Bn-A03-p3099901
1975	Bn-N3-p3406926	Bn-A03-p3319357
1979	Bn-N3-p3772359	Bn-A03-p3692048
1980	Bn-N3-p3885826	Bn-A03-p3795299
2012	Bn-N3-p4831677	Bn-A03-p4783485
2016	Bn-N3-p4958930	Bn-A03-p4909233
2023	Bn-N3-p5115640	Bn-A03-p5083198
2037	Bn-N3-p5347595	Bn-Scaffold01280-p438
2062	Bn-N3-p5775835	Bn-A03-p5741340
2071	Bn-N3-p6077412	Bn-A03-p6036521
2077	Bn-N3-p6308534	Bn-A03-p6274828
2088	Bn-N3-p6633766	Bn-A03-p6590051
2092	Bn-N3-p6770990	Bn-A03-p6744344
2098	Bn-N3-p7039006	Bn-A03-p7007377
2102	Bn-N3-p7234314	Bn-A03-p7177504
2110	Bn-N3-p7435856	Bn-A03-p7366783
2114	Bn-N3-p7487460	Bn-A03-p7420835
2132	Bn-N3-p7994167	Bn-A03-p7939679
2140	Bn-N3-p8190537	Bn-A03-p8133096
2184	Bn-N3-p8872358	Bn-A03-p8764481
2224	Bn-N3-p9706667	Bn-A03-p9537155
2231	Bn-N3-p10026056	Bn-A03-p9833648
2258	Bn-N3-p10653298	Bn-A03-p10414176
2271	Bn-N3-p10915390	Bn-A03-p10651420
2276	Bn-N3-p11028842	Bn-A03-p10757525
2321	Bn-N3-p11599250	Bn-A03-p11319722
2333	Bn-N3-p11803507	Bn-A03-p11517597
2359	Bn-N3-p12537961	Bn-A03-p12186958
2379	Bn-N3-p13028750	Bn-A03-p12639200
2384	Bn-N3-p13385371	Bn-A03-p12990610
2402	Bn-N3-p13489967	Bn-A03-p13104283
2460	Bn-N3-p14438774	Bn-A03-p14112910
2463	Bn-N3-p14508983	Bn-A03-p14175904
2473	Bn-N3-p14641501	Bn-A03-p14306440
2489	Bn-N3-p14777622	Bn-A03-p14447238
2521	Bn-N3-p15710902	Bn-A03-p15359867
2535	Bn-N3-p15957400	Bn-A03-p15577849
2550	Bn-N3-p16312745	Bn-A03-p15957657
2568	Bn-N3-p16961243	Bn-A03-p16607714
2575	Bn-N3-p17185957	Bn-A03-p16812953
2576	Bn-N13-p26848688	Bn-C3-p25537230
2588	Bn-N3-p17584688	Bn-A03-p17182494
2591	Bn-N3-p18120292	Bn-A03-p17782292
2595	Bn-N3-p18475063	Bn-A03-p18120938
2618	Bn-N3-p19216285	Bn-A03-p18836509
2619	Bn-N3-p19222659	Bn-A03-p18846268

2655	Bn-N3-p20192016	Bn-A03-p19880918
2669	Bn-N3-p20329049	Bn-A03-p20033408
2670	Bn-N3-p20371571	Bn-A03-p20079452
2674	Bn-N3-p20445824	Bn-A03-p20151244
2675	Bn-N3-p20469807	Bn-A03-p20180463
2677	Bn-N3-p20532008	Bn-A03-p20237681
2698	Bn-N3-p20834180	Bn-A03-p20523585
2714	Bn-N3-p21231831	Bn-A03-p20983297
2719	Bn-N3-p21543364	Bn-A03-p21271941
2726	Bn-N3-p21713680	Bn-A03-p21422696
2733	Bn-N3-p21900335	Bn-A03-p21632587
2734	Bn-N3-p21947903	Bn-A03-p21685480
2751	Bn-N3-p22166287	Bn-A03-p21904842
2801	Bn-N3-p23119669	Bn-A03-p22820943
2807	Bn-N3-p23181434	Bn-A03-p22882585
2811	Bn-N3-p23342059	Bn-A03-p23017354
2818	Bn-N3-p23667615	Bn-A03-p29571938
2819	Bn-N3-p24031518	Bn-A03-p23735715
2835	Bn-N3-p24362517	Bn-A03-p24092986
2836	Bn-N3-p24431801	Bn-A03-p24176332
2848	Bn-N3-p11952122	Bn-A03-p24902631
2937	Bn-N3-p25600454	Bn-A03-p25402301
2943	Bn-N3-p25724701	Bn-A03-p25525612
2945	Bn-N3-p25828301	Bn-A03-p25614406
2946	Bn-N3-p25845246	Bn-A03-p25631316
2963	Bn-N3-p26231379	Bn-A03-p25993601
2967	Bn-N3-p26287335	Bn-A03-p26066930
2973	Bn-N3-p26517534	Bn-A03-p26284882
2974	Bn-N3-p26521343	Bn-A03-p26288769
2990	Bn-N3-p26736040	Bn-A03-p26477533
3001	Bn-N3-p27060036	Bn-A03-p26775994
3011	Bn-N3-p27367099	Bn-A03-p27066000
3047	Bn-N3-p28068549	Bn-A03-p27683723
3089	Bn-N3-p28971341	Bn-A03-p28535638
3149	Bn-N3-p33346228	Bn-Scaffold000096-p878406
3189	Bn-N3-p28566839	Bn-A03-p28126287
3190	Bn-N4-p193375	Bn-A04-p122280
3200	Bn-N4-p269934	Bn-A04-p267294
3254	Bn-N4-p811294	Bn-A04-p810935
3269	Bn-N4-p1148070	Bn-A04-p1213196
3277	Bn-N4-p1252454	Bn-A04-p1317446
3283	Bn-N4-p1324713	Bn-A04-p1390449
3288	Bn-N4-p1567651	Bn-A04-p1623151
3289	Bn-N4-p1589334	Bn-A04-p1655416
3290	Bn-N4-p1607740	Bn-A04-p1680506
3291	Bn-N4-p1686812	Bn-A04-p1745832
3313	Bn-N4-p1871339	Bn-A04-p1931502
3431	Bn-N4-p3129508	Bn-A04-p3225119
3456	Bn-N4-p3548333	Bn-A04-p3632226

3459	Bn-N4-p3642885	Bn-A04-p3743549
3492	Bn-N4-p7608030	Bn-A04-p5959753
3662	Bn-N4-p8850965	Bn-A04-p7109346
3754	Bn-N4-p10191316	Bn-A04-p8292499
3789	Bn-N4-p10512694	Bn-A04-p8612311
3826	Bn-N4-p11037233	Bn-A04-p9088043
3977	Bn-N4-p14285273	Bn-A04-p11957518
3985	Bn-N4-p14573838	Bn-A04-p12236240
4002	Bn-N4-p14726403	Bn-A04-p12659402
4075	Bn-N4-p15678260	Bn-A04-p13659690
4086	Bn-N4-p16108021	Bn-C4-p46736296
4088	Bn-N4-p16162014	Bn-C4-p46830608
4089	Bn-N4-p16255878	Bn-A04-p14255771
4101	Bn-N4-p16711540	Bn-A04-p14756001
4110	Bn-N4-p16965424	Bn-A04-p15007146
4114	Bn-N4-p17271998	Bn-A04-p15298740
4118	Bn-N4-p17369430	Bn-A04-p15404568
4126	Bn-N4-p17499224	Bn-A04-p15514869
4136	Bn-Scaffold31010-p309	Bn-A04-p15835310
4137	Bn-N7-p15002311	Bn-A04-p15895339
4142	Bn-N4-p17983696	Bn-A04-p16056186
4143	Bn-N4-p18198567	Bn-A04-p16233024
4155	Bn-N4-p18420558	Bn-A04-p16445225
4168	Bn-N4-p18620726	Bn-A04-p16663552
4173	Bn-N4-p18743497	Bn-A04-p17052071
4203	Bn-N4-p19262174	Bn-A04-p17322241
4218	Bn-N4-p19649505	Bn-A04-p17686228
4228	Bn-N4-p19775221	Bn-A04-p17811740
4230	Bn-N4-p19780403	Bn-A04-p17816796
4231	Bn-N4-p19827880	Bn-A04-p17864572
4241	Bn-N4-p20125262	Bn-A04-p18136301
4243	Bn-N4-p20169038	Bn-A04-p18180777
4244	Bn-N4-p20260734	Bn-A04-p18273048
4247	Bn-N4-p20419859	Bn-A04-p18429573
4248	Bn-N4-p20483625	Bn-A04-p18487715
4257	Bn-N4-p20625106	Bn-A04-p18617343
4268	Bn-N4-p21066278	Bn-A01-p25171870
4278	Bn-N5-p407617	Bn-Scaffold000403-p12455
4295	Bn-N5-p759307	Bn-A05-p679803
4314	Bn-N5-p1000999	Bn-A05-p892520
4324	Bn-N5-p1080492	Bn-A05-p970816
4325	Bn-N5-p1174032	Bn-A05-p1071371
4331	Bn-N5-p1410753	Bn-A05-p1308471
4333	Bn-N5-p1436231	Bn-A05-p1335771
4348	Bn-N5-p1619320	Bn-A05-p1492327
4360	Bn-N5-p1901300	Bn-A05-p1701030
4361	Bn-N5-p1949635	Bn-A05-p1761473
4362	Bn-N5-p2039192	Bn-A05-p1857946
4363	Bn-N5-p2075840	Bn-A05-p1898273

4371	Bn-N5-p2298341	Bn-A05-p2106680
4385	Bn-N5-p2509507	Bn-A05-p2303112
4386	Bn-N14-p3918239	Bn-A05-p2345233
4387	Bn-N5-p2562704	Bn-A05-p2367876
4392	Bn-N5-p2673519	Bn-C4-p3971988
4405	Bn-N5-p2836831	Bn-A05-p2641800
4412	Bn-N5-p2920992	Bn-A05-p2726301
4431	Bn-N5-p3236393	Bn-A05-p3005109
4451	Bn-N5-p3553066	Bn-A05-p3307736
4464	Bn-N5-p3749456	Bn-A05-p3507831
4472	Bn-N5-p4104667	Bn-A05-p3834445
4477	Bn-N5-p4182623	Bn-A05-p3923814
4478	Bn-N5-p4230168	Bn-A05-p3966848
4480	Bn-N5-p4250529	Bn-A05-p3988958
4494	Bn-N5-p4386273	Bn-A05-p4121158
4499	Bn-N5-p4597112	Bn-A05-p4336667
4523	Bn-N5-p5063788	Bn-C4-p7980371
4531	Bn-N5-p5194068	Bn-A05-p4940713
4538	Bn-N5-p5361751	Bn-A05-p5093548
4552	Bn-N5-p5652046	Bn-A05-p5372015
4557	Bn-N5-p5746359	Bn-A05-p5475992
4581	Bn-N5-p6077945	Bn-A05-p5805445
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20353	Bn-N19-p11436491	Bn-C9-p11335462
20361	Bn-N19-p13406984	Bn-C9-p13245838
20385	Bn-N19-p15841037	Bn-C9-p15329223
20389	Bn-N19-p16373749	Bn-C9-p15784039
20457	Bn-N19-p17203737	Bn-C9-p16683551
20476	Bn-N19-p17936845	Bn-C9-p17340499
20561	Bn-N19-p19118690	Bn-C9-p18692647
20648	Bn-N19-p25177594	Bn-C9-p24331999
20785	Bn-N19-p37974163	Bn-C9-p36438578
20791	Bn-N19-p38982545	Bn-C7-p13328709
20805	Bn-N19-p42314902	Bn-C9-p40440348
20904	Bn-N19-p45517324	Bn-C9-p43400331
20908	Bn-N19-p45851910	Bn-C9-p43720221
20925	Bn-N19-p46041580	Bn-C9-p43822424
20956	Bn-N19-p46754810	Bn-C9-p44386081
20959	Bn-N19-p47451063	Bn-C9-p45066216
20961	Bn-N19-p47678139	Bn-C9-p45342222
20962	Bn-N19-p47939658	Bn-C9-p45590669
20993	Bn-N19-p48639808	Bn-C9-p46165884
21008	Bn-N19-p48992662	Bn-C13791383-p286
21016	Bn-N19-p49157514	Bn-C9-p46830604
21019	Bn-N19-p49299421	Bn-C9-p47004610
21020	Bn-N19-p49725586	Bn-C9-p47391900
21032	Bn-N19-p50008223	Bn-A10-p12957851
21035	Bn-N19-p50302870	Bn-C9-p47989399
21050	Bn-N19-p50540424	Bn-C9-p48236162
21058	Bn-N2-p2679970	Bn-A02-p3607564
21060	Bn-N19-p51542682	Bn-C9-p49140588
21070	Bn-N19-p51918660	Bn-C3-p58636673
21071	Bn-N19-p52346260	Bn-C9-p49881005
21076	Bn-N19-p52423130	Bn-C9-p49978999
21080	Bn-N19-p53090532	Bn-C9-p50628723
21085	Bn-N19-p53678595	Bn-C9-p51113926
21087	Bn-N19-p53833236	Bn-C9-p51273237
21093	Bn-N19-p53945924	Bn-C9-p51394423
21096	Bn-N19-p54445865	Bn-C9-p51869548
21099	Bn-N19-p54525486	Bn-C9-p51952893
21100	Bn-N19-p54610222	Bn-C9-p52030051
21104	Bn-N19-p54800819	Bn-C9-p52227361
21105	Bn-N19-p54986241	Bn-C9-p52417079
21110	Bn-N10-p17259635	Bn-C9-p53208843

to bins according to recombination events

locus_name	LG	Bin	Distance	SG_152	SG_320	SG_65	SG_132	SG_221	SG_258	SG_9	SG_155	SG_324	SG_90	SG_137	SG_229	SG_259	SG_18	SG_159	SG_224	SG_103	SG_150	SG_232	SG_261	SG_39	
Bn-A01-p137814	A1	1	0	B	A	0	A	B	B	A	0	B	A	B	B	B	B	B	B	B	B	A	A	A	B
Bn-A01-p460072	A1	2	1.9	B	A	0	A	B	B	A	0	B	A	B	B	B	B	B	B	B	B	A	A	A	B
Bn-scaff_20461_1-p169329	A1	3	1.9	B	A	0	A	B	B	A	0	B	A	B	B	B	B	B	B	B	B	A	A	A	B
Bn-A01-p974934	A1	4	3	B	A	0	A	B	B	A	0	B	0	B	B	B	B	B	B	B	B	A	A	A	B
Bn-A01-p1250595	A1	5	4.1	B	A	0	A	B	B	A	B	B	0	B	B	B	B	B	B	B	B	A	A	A	B
Bn-A01-p1372430	A1	6	6.3	B	A	0	A	B	B	A	0	B	0	B	B	B	B	B	B	B	B	A	A	A	B
Bn-A01-p1661180	A1	7	8.5	B	A	0	A	B	B	A	0	B	0	B	B	B	B	B	B	B	B	A	A	B	B
Bn-A01-p1742846	A1	8	9.6	B	A	0	A	B	B	A	0	B	0	B	B	B	B	B	B	B	B	A	A	B	B
Bn-A01-p1770291	A1	9	10.7	B	A	0	A	B	B	A	0	B	0	B	B	B	B	B	B	B	B	A	A	B	B
Bn-A01-p1990755	A1	10	11.8	B	A	0	A	B	B	A	0	B	0	B	B	B	B	B	B	B	B	A	A	B	B
Bn-A01-p2094793	A1	11	12.9	B	A	0	A	B	B	A	0	B	0	B	B	B	B	B	B	B	B	A	A	B	B
Bn-A01-p2171217	A1	12	14	B	A	0	A	B	B	A	0	B	0	B	B	B	B	B	B	B	B	A	A	B	B
Bn-A01-p2242890	A1	13	16.2	B	A	0	A	B	B	A	0	B	0	B	B	B	B	B	B	B	B	A	A	B	B
Bn-A01-p2667471	A1	14	19	B	A	0	A	B	B	A	0	B	0	B	B	B	B	B	B	B	B	A	A	B	B
Bn-A01-p2825565	A1	15	20.4	B	A	0	A	B	B	A	0	B	0	B	B	B	B	B	B	B	B	A	A	B	B
Bn-A01-p2990104	A1	16	21.8	B	A	0	A	B	B	A	0	B	0	B	B	B	B	B	B	B	B	A	A	B	B
Bn-A01-p3183888	A1	17	23.2	B	A	0	A	B	B	A	0	B	0	B	B	B	B	B	B	B	B	A	A	B	B
Bn-A01-p3306526	A1	18	24.4	B	A	0	A	B	B	A	0	B	0	B	B	B	B	B	B	B	B	A	A	B	B
Bn-A01-p3904495	A1	19	26.7	B	A	0	A	B	B	A	0	B	0	B	B	B	B	B	B	B	B	A	A	B	B
Bn-A01-p4812269	A1	20	26.7	B	A	0	A	B	B	A	0	B	0	B	B	B	B	B	B	B	B	A	A	B	B
Bn-A01-p5106042	A1	21	27.6	B	A	0	A	B	B	A	0	B	A	B	B	B	B	B	B	B	B	A	A	B	B
Bn-A01-p5193639	A1	22	28.5	B	A	0	A	B	B	A	0	B	A	B	B	B	B	B	B	B	B	A	A	B	B
Bn-A01-p5590998	A1	23	29.5	B	A	A	A	B	B	A	A	B	B	B	B	B	B	B	B	B	B	A	A	B	B
Bn-A01-p6182710	A1	24	30.4	B	A	A	A	B	B	A	A	B	B	B	B	B	B	B	B	B	B	A	A	B	B
Bn-A01-p6274135	A1	25	32.3	B	A	A	A	B	B	A	B	B	B	B	B	B	B	B	B	B	B	A	A	B	B
Bn-A01-p6687707	A1	26	34.2	B	A	A	A	B	B	A	B	B	B	B	B	B	B	B	B	B	B	A	A	B	B
Bn-A01-p6898291	A1	27	35.1	B	A	A	A	B	B	A	B	B	B	B	B	B	B	B	B	B	B	A	A	B	B
Bn-A01-p7648929	A1	28	36	B	A	A	A	B	B	A	B	B	B	B	B	B	B	B	B	B	B	A	A	B	B
Bn-A01-p7889385	A1	29	37.9	B	A	A	A	B	B	A	B	B	B	B	B	B	B	B	B	B	B	A	A	B	B
Bn-A01-p7979458	A1	30	38.8	B	A	A	A	B	B	A	B	B	B	B	B	B	B	B	B	B	B	A	A	B	B
Bn-A01-p8017380	A1	31	39.7	B	A	A	A	B	B	A	B	B	B	B	A	B	B	B	B	B	B	A	A	B	B
Bn-A01-p9442471	A1	32	40.6	B	A	A	A	B	B	A	B	B	B	B	A	B	B	B	B	B	B	A	A	B	B
Bn-A01-p9884449	A1	33	41.5	B	A	A	A	B	B	A	B	B	B	B	A	B	B	B	B	B	B	A	A	B	B
Bn-A01-p9996458	A1	34	42.4	B	A	A	A	B	B	A	B	B	B	B	A	B	B	B	B	B	B	A	A	B	B
Bn-A01-p10231780	A1	35	43.3	B	A	A	A	B	B	A	B	B	B	B	A	B	B	B	B	B	B	A	A	B	B
Bn-scaff_16217_1-p143344	A1	36	44.2	B	A	A	A	B	B	A	B	B	B	B	A	B	B	B	B	B	B	A	A	B	B
Bn-A01-p11825880	A1	37	45.1	B	A	A	A	B	B	A	B	B	B	B	A	B	B	B	B	B	B	A	A	B	B
Bn-A01-p19983739	A1	38	46	B	A	A	A	B	B	A	B	B	B	B	A	B	B	B	B	B	B	A	A	B	B
Bn-A01-p21393260	A1	39	46.9	B	A	A	A	B	B	A	B	B	B	B	A	B	B	B	B	B	B	A	A	B	B
Bn-A01-p21709916	A1	40	47.7	B	A	A	A	B	B	A	B	B	B	B	A	B	B	B	B	B	B	A	A	B	B
Bn-A01-p21855770	A1	41	48.5	B	A	A	A	B	B	A	B	B	B	B	A	B	B	B	B	B	B	A	A	B	B
Bn-A01-p22051510	A1	42	49.3	B	A	A	A	B	B	A	B	B	B	B	A	B	B	B	B	B	B	A	A	B	B
Bn-A01-p22087629	A1	43	50.1	B	A	A	A	B	B	A	B	B	B	B	A	B	B	B	B	B	B	A	A	B	B
Bn-A01-p22681496	A1	44	50.9	B	A	A	A	B	B	A	B	B	B	B	A	B	B	B	B	B	B	A	A	B	B
Bn-A01-p23568963	A1	45	55.2	A	A	A	A	B	B	A	B	B	B	B	A	B	A	B	A	B	A	A	A	B	B

Bn-scaff_17515_1-p51302	A1	46	56	A	A	B	A	B	B	A	B	B	B	B	A	B	A	B	A	A	A	B	B	
Bn-A01-p23614494	A1	47	56.8	A	A	B	A	B	B	A	B	B	B	B	A	B	A	B	A	A	A	B	B	
Bn-A01-p23694782	A1	48	57.6	A	A	B	A	B	B	A	B	B	B	B	A	B	A	B	A	A	A	B	B	
Bn-A01-p24504575	A1	49	59.3	A	A	B	A	B	B	A	B	B	B	B	A	B	A	B	A	A	A	B	B	
Bn-A01-p24697185	A1	50	61	A	A	B	A	B	B	A	B	B	B	A	B	A	B	A	B	A	A	A	B	B
Bn-Scaffold000164-p244631	A1	51	62.7	A	A	B	A	B	B	A	B	B	A	B	A	B	A	B	A	A	A	B	B	
Bn-Scaffold000164-p55747	A1	52	65.2	A	A	B	A	B	B	A	B	A	B	A	B	A	B	A	B	A	A	A	B	B
Bn-Scaffold000386-p1325	A1	53	66	A	A	B	A	B	B	A	B	A	B	A	B	A	B	A	B	A	A	A	B	B
Bn-A01-p27331467	A1	54	66.8	A	A	B	A	B	B	A	B	A	B	A	B	A	B	A	A	A	A	A	B	B
Bn-A01-p27580681	A1	55	70.2	A	A	B	A	B	B	A	B	A	B	A	B	A	B	A	A	A	A	A	B	B
Bn-A01-p27866419	A1	56	71	A	A	B	A	B	B	A	B	A	B	A	B	A	B	A	A	A	A	A	B	B
Bn-A01-p28102080	A1	57	71.8	A	A	B	A	B	B	A	B	A	B	A	B	A	B	A	A	A	A	A	B	B
Bn-A01-p28462071	A1	58	74.3	A	A	B	A	B	B	A	B	A	B	A	B	A	B	A	A	A	A	A	B	B
Bn-A01-p25517197	A1	59	75.1	A	A	B	A	B	B	A	B	A	B	A	B	A	B	A	A	A	A	A	B	B
Bn-A01-p25040577	A1	60	75.9	A	A	B	A	B	B	A	B	A	B	A	B	A	B	A	A	A	A	A	B	B
Bn-A02-p1707420	A2	1	0	A	B	B	A	A	B	A	A	A	B	A	A	A	A	A	A	A	A	A	A	A
Bn-A02-p2292871	A2	2	1.8	A	B	B	A	A	B	A	B	A	A	B	A	A	A	A	A	A	A	A	A	A
Bn-A02-p2542065	A2	3	5.3	A	B	B	A	A	B	A	B	A	A	B	A	A	A	A	A	A	A	A	A	A
Bn-A02-p2572625	A2	4	6.2	A	B	B	A	A	B	A	B	A	A	B	A	A	A	A	A	A	A	A	A	A
Bn-A02-p2617701	A2	5	7.1	A	B	B	A	A	B	A	B	A	A	B	A	A	A	A	A	A	A	A	B	A
Bn-A02-p2739888	A2	6	8	A	B	B	A	A	B	A	B	A	A	B	A	A	A	A	A	A	A	A	B	A
Bn-A02-p1096082	A2	7	9.8	A	B	B	A	A	B	A	B	A	A	B	A	A	A	A	A	A	A	A	B	A
Bn-A02-p1092146	A2	8	10.6	A	B	B	A	A	B	A	B	A	A	B	A	A	A	A	A	A	A	A	B	A
Bn-A02-p2877222	A2	9	11.4	A	B	B	A	A	B	A	B	A	A	B	A	A	A	A	A	A	A	A	B	A
Bn-A02-p2923889	A2	10	12.2	A	B	B	A	A	B	A	B	A	A	B	B	A	A	A	A	A	A	A	B	A
Bn-A02-p3074016	A2	11	17.1	A	B	B	B	A	B	A	B	A	A	A	B	A	A	A	A	A	B	A	B	A
Bn-A02-p3121742	A2	12	17.9	A	B	B	B	A	B	A	B	A	A	A	B	A	B	A	A	A	B	A	B	A
Bn-A02-p3175610	A2	13	18.7	A	B	B	B	A	B	A	B	A	A	A	B	A	B	A	A	A	B	A	B	A
Bn-A02-p3260536	A2	14	19.5	A	B	B	B	A	B	A	B	A	A	A	B	A	B	A	A	A	B	A	B	A
Bn-A02-p3294682	A2	15	21.9	A	B	A	B	A	A	A	B	A	A	A	B	A	B	A	A	A	B	A	B	A
Bn-A02-p3344176	A2	16	22.7	A	B	A	B	A	A	A	B	A	A	A	B	A	B	A	A	A	B	A	B	A
Bn-A02-p3374678	A2	17	23.5	A	B	A	B	A	A	A	B	B	A	A	B	A	B	A	A	A	B	A	B	A
Bn-A02-p3398506	A2	18	24.3	A	B	A	B	A	A	A	B	B	A	A	B	A	B	A	A	A	B	A	B	A
Bn-A02-p3542024	A2	19	25.1	A	B	A	B	A	A	A	B	B	A	A	B	A	B	A	A	A	B	A	B	A
Bn-A02-p4035808	A2	20	25.9	A	B	A	B	A	A	A	B	B	A	A	B	A	B	A	A	A	B	A	B	A
Bn-A02-p4277649	A2	21	26.7	A	B	A	B	A	A	A	B	B	A	A	B	A	B	A	A	A	B	A	B	A
Bn-A02-p4773307	A2	22	28.3	A	B	A	B	A	A	A	B	B	A	A	B	A	B	A	A	A	B	A	B	A
Bn-A02-p5326222	A2	23	32.3	A	B	A	B	A	A	A	B	B	A	A	B	A	B	A	A	A	B	A	B	A
Bn-A02-p5394958	A2	24	33.1	A	B	A	B	A	A	A	B	B	A	A	B	A	B	A	A	A	B	A	B	A
Bn-A02-p5429003	A2	25	37.1	B	B	A	B	A	A	A	B	B	A	A	B	A	B	B	A	A	B	A	B	A
Bn-A02-p5574727	A2	26	37.9	B	B	A	B	A	A	A	B	B	A	A	B	A	B	B	A	A	B	A	B	A
Bn-A02-p5859447	A2	27	38.7	B	B	A	B	A	A	A	B	B	A	A	B	A	B	B	A	A	B	A	B	A
Bn-A02-p5907701	A2	28	40.3	B	B	A	B	A	A	A	B	B	A	A	B	A	B	B	A	A	B	A	B	A
Bn-A02-p6084757	A2	29	42.7	B	B	A	B	A	A	A	B	B	A	A	B	A	B	B	A	A	B	A	B	A
Bn-A02-p6478309	A2	30	43.5	B	B	A	B	A	A	A	B	B	A	A	B	A	B	B	A	A	B	A	B	A
Bn-A02-p6658392	A2	31	44.3	B	B	A	B	A	A	A	B	B	A	A	B	A	B	B	A	A	B	A	B	B
Bn-A02-p7319800	A2	32	45.1	B	B	A	B	A	A	A	B	B	A	A	B	A	B	B	A	A	B	A	B	B
Bn-A02-p8625851	A2	33	46.7	B	B	A	B	A	A	A	B	B	A	A	B	A	B	B	A	A	B	A	B	B
Bn-A02-p8777846	A2	34	47.5	B	B	A	B	A	A	A	B	B	A	A	B	A	B	B	A	A	B	A	B	B

Bn-A02-p8865764	A2	35	48.3	B	B	A	B	A	A	A	B	B	A	A	B	A	B	B	A	A	B	A	B	B
Bn-A02-p9339288	A2	36	49.1	B	B	A	B	A	A	A	B	B	A	A	B	A	B	B	A	A	B	A	B	B
Bn-A02-p11041726	A2	37	49.9	B	B	A	B	B	A	A	B	B	A	A	B	A	B	B	A	A	B	A	B	B
Bn-A02-p11346389	A2	38	50.7	B	B	A	B	B	A	B	B	B	A	A	B	A	B	B	A	A	B	A	B	B
Bn-A02-p11817742	A2	39	51.5	B	B	A	B	B	A	B	B	B	A	B	A	B	B	A	A	B	A	B	A	B
Bn-A02-p12145607	A2	40	53.1	B	B	A	B	B	A	B	B	B	A	A	B	B	B	A	A	B	A	B	A	B
Bn-A02-p12292026	A2	41	53.9	B	B	A	B	B	A	B	B	B	A	A	B	B	B	A	A	B	A	B	A	B
Bn-A02-p14078497	A2	42	54.7	B	B	A	B	B	A	B	B	B	A	A	B	B	B	A	A	B	A	B	A	B
Bn-A02-p14227678	A2	43	55.5	B	B	A	B	B	A	B	B	B	A	A	B	B	B	A	A	B	A	B	A	B
Bn-Scaffold000262-p25395	A2	44	56.3	B	B	A	B	B	A	B	B	B	A	A	B	B	B	A	A	B	A	B	A	B
Bn-A02-p15637932	A2	45	57.9	B	B	A	B	B	A	B	B	B	A	A	B	B	B	A	A	B	A	B	A	B
Bn-A05-p9078281	A2	46	58.7	B	B	A	B	B	A	B	B	B	A	A	B	B	B	A	A	B	A	B	A	B
Bn-A02-p17381818	A2	47	59.5	B	B	A	B	B	A	B	B	B	A	A	B	B	B	A	A	B	A	B	A	B
Bn-A02-p18599005	A2	48	62.7	B	B	A	A	B	A	B	B	B	A	A	B	B	B	A	A	A	A	B	A	B
Bn-A02-p19261853	A2	49	63.5	B	B	A	A	B	A	B	B	B	A	A	B	B	B	A	A	A	A	B	A	B
Bn-A02-p21061002	A2	50	64.3	B	B	A	A	B	A	B	B	B	A	A	B	B	B	A	A	A	A	B	A	B
Bn-A02-p19756499	A2	51	65.1	B	B	A	A	B	A	B	B	B	A	A	B	B	B	A	A	A	A	B	A	B
Bn-A02-p22843446	A2	52	67.5	B	B	A	A	B	A	B	B	B	A	A	B	B	B	A	A	A	A	B	A	B
Bn-A02-p22757902	A2	53	68.3	B	B	A	A	B	A	B	B	B	A	A	B	B	B	A	A	A	A	B	A	B
Bn-A02-p22352518	A2	54	69.1	B	B	A	A	B	A	B	B	B	A	A	B	B	B	A	A	A	A	B	A	B
Bn-A02-p23411852	A2	55	70.7	B	B	A	A	B	A	B	B	B	A	A	B	B	B	A	A	A	A	B	A	B
Bn-Scaffold016439-p48	A2	56	71.5	B	B	A	A	B	A	B	B	B	A	A	B	B	B	A	A	A	A	B	A	B
Bn-A02-p23668607	A2	57	73.1	B	B	A	A	B	A	B	B	B	B	A	B	B	B	A	A	A	A	B	A	B
Bn-scaff_17109_1-p690819	A2	58	74.2	B	B	A	A	B	A	B	B	B	A	B	B	B	B	A	A	A	A	B	A	B
Bn-A02-p23792703	A2	59	76.4	B	B	A	A	B	A	B	B	B	B	A	B	B	B	A	A	A	A	B	A	B
Bn-A02-p24178094	A2	60	77.2	B	B	A	A	B	A	B	B	B	B	A	B	B	B	A	A	A	A	B	A	B
Bn-A02-p24415454	A2	61	78.8	B	B	A	A	B	A	B	B	B	B	A	B	B	B	A	A	A	A	B	A	B
Bn-A02-p24449690	A2	62	79.6	B	B	A	A	B	A	B	B	B	B	A	B	B	B	A	A	A	A	B	A	B
Bn-A02-p24552542	A2	63	80.4	B	B	A	A	B	A	B	B	B	B	A	B	B	B	A	A	A	A	B	A	B
Bn-scaff_17623_1-p120748	A2	64	81.2	B	B	A	A	A	A	B	B	B	B	A	B	B	B	A	A	A	A	B	A	B
Bn-A02-p24948938	A2	65	83.6	B	B	A	A	A	A	B	B	B	B	A	B	B	B	A	A	A	A	B	A	B
Bn-A02-p25100451	A2	66	84.4	B	B	A	A	A	A	B	B	B	B	A	B	B	B	A	A	A	A	B	A	B
Bn-A02-p25188041	A2	67	85.2	B	B	A	A	A	A	B	B	B	B	A	B	B	B	A	A	A	A	B	A	B
Bn-A02-p25400591	A2	68	86	B	B	A	A	A	A	B	B	B	B	A	A	B	B	A	A	A	A	B	A	B
Bn-A02-p25681480	A2	69	87.6	B	B	A	A	A	A	B	B	B	B	A	A	B	B	A	A	A	A	B	A	B
Bn-A02-p25826690	A2	70	89.2	B	B	A	A	A	A	B	B	B	B	A	A	B	B	A	A	A	A	B	A	B
Bn-A02-p25841130	A2	71	90	B	B	A	A	A	A	B	B	B	B	A	A	B	B	A	A	A	A	B	A	B
Bn-A02-p25865360	A2	72	90.8	B	B	A	A	A	A	B	B	B	B	A	A	B	B	A	A	A	A	B	A	B
Bn-A02-p26982864	A2	73	97.4	B	B	A	B	A	A	B	B	A	B	B	A	A	B	B	A	A	B	A	A	B
Bn-A02-p27831174	A2	74	98.2	B	B	A	B	A	A	B	B	A	B	B	A	A	B	B	A	A	B	A	A	B
Bn-A03-p312762	A3	1	0	B	A	A	B	A	B	A	B	A	B	B	A	B	B	B	B	A	B	A	B	A
Bn-A03-p765077	A3	2	0.8	B	A	A	B	A	B	A	B	A	B	B	A	B	B	B	B	A	B	A	B	A
Bn-A03-p991949	A3	3	1.6	B	A	A	B	A	B	A	B	A	B	B	A	B	B	B	B	A	B	B	B	A
Bn-A03-p1050437	A3	4	3.2	B	A	A	B	A	B	A	B	A	B	B	A	B	B	B	B	A	B	B	B	A
Bn-A03-p1488306	A3	5	4.8	B	A	A	B	A	B	A	B	A	B	B	A	B	B	B	B	A	B	B	B	A
Bn-A03-p1711856	A3	6	5.6	B	A	A	B	A	B	A	B	A	B	B	A	B	B	B	B	A	B	B	B	A
Bn-A03-p1926809	A3	7	7.2	B	B	A	B	A	B	A	B	A	B	B	A	B	B	B	B	A	B	B	B	A
Bn-A03-p1954639	A3	8	8.8	B	B	A	B	A	B	A	B	A	B	A	A	B	B	B	B	A	B	B	B	A
Bn-A03-p2579866	A3	9	9.6	B	B	A	B	A	B	A	B	A	B	A	A	B	B	B	B	A	B	B	B	A

Bn-A03-p2645391	A3	10	10.4	B	B	A	B	B	B	A	B	A	B	A	A	B	B	B	B	A	B	B	B	A
Bn-A03-p2891934	A3	11	11.2	B	B	A	B	B	B	A	B	A	B	A	A	A	B	B	B	A	B	B	B	A
Bn-A03-p2997270	A3	12	13.6	B	B	A	B	B	B	A	B	A	B	A	A	A	B	B	B	A	B	B	B	A
Bn-A03-p3099901	A3	13	14.4	B	B	A	B	B	B	A	B	A	B	A	A	A	B	B	B	A	B	B	B	A
Bn-A03-p3319357	A3	14	15.2	B	B	A	B	B	B	A	B	A	B	A	A	A	B	B	B	A	B	B	B	A
Bn-A03-p3692048	A3	15	16.8	B	B	A	B	B	B	A	B	A	B	A	A	A	B	B	B	A	B	B	B	A
Bn-A03-p3795299	A3	16	17.6	B	B	A	B	B	B	A	B	A	B	A	A	A	B	B	B	A	B	B	B	A
Bn-A03-p4783485	A3	17	18.4	B	B	A	B	B	B	A	B	A	B	A	A	A	B	B	B	A	B	B	B	A
Bn-A03-p4909233	A3	18	19.2	B	B	A	B	B	B	A	B	A	B	A	A	A	B	B	B	A	B	B	B	A
Bn-A03-p5083198	A3	19	20.8	B	B	A	B	B	B	A	B	A	B	A	A	A	B	B	B	A	B	B	B	A
Bn-scaff_18523_1-p438	A3	20	24.9	A	B	A	B	B	B	A	B	A	B	A	A	A	B	A	B	A	B	B	B	A
Bn-A03-p5741340	A3	21	25.7	A	B	A	B	B	B	A	B	A	B	A	A	A	B	A	B	A	B	B	B	A
Bn-A03-p6036521	A3	22	26.5	A	B	A	B	B	B	A	B	A	B	A	A	A	B	A	0	A	B	B	B	A
Bn-A03-p6274828	A3	23	27.3	A	B	A	B	B	B	A	B	A	B	A	A	A	B	A	0	A	B	B	B	A
Bn-A03-p6590051	A3	24	28.9	A	B	A	B	B	B	A	B	A	B	A	A	A	B	A	0	A	B	B	B	A
Bn-A03-p6744344	A3	25	32.1	A	B	A	A	B	B	A	B	A	B	A	A	A	B	A	0	A	A	B	B	A
Bn-A03-p7007377	A3	26	32.9	A	B	A	A	B	B	A	B	A	B	A	A	A	B	A	0	A	A	B	B	A
Bn-A03-p7177504	A3	27	33.8	A	B	A	A	B	B	A	B	A	B	A	A	A	B	A	0	A	A	B	B	A
Bn-A03-p7366783	A3	28	35.5	A	B	A	A	B	B	A	B	A	B	A	A	A	B	A	0	A	A	B	B	A
Bn-A03-p7420835	A3	29	36.4	A	B	A	A	B	B	A	B	A	B	A	A	A	B	A	0	A	A	B	B	A
Bn-A03-p7939679	A3	30	37.3	A	B	A	A	B	B	A	B	A	B	A	A	A	B	A	0	A	A	B	B	A
Bn-A03-p8133096	A3	31	39	A	B	A	A	B	B	A	B	A	B	A	A	A	B	A	0	A	A	B	B	A
Bn-A03-p8764481	A3	32	41.6	A	B	A	A	B	B	A	B	A	A	A	A	A	B	A	0	A	A	B	B	A
Bn-A03-p9537155	A3	33	42.5	A	B	A	A	B	B	A	B	A	A	A	A	A	B	A	0	A	A	B	B	A
Bn-A03-p9833648	A3	34	43.4	A	B	A	A	B	B	A	B	A	A	A	A	A	B	A	0	A	A	B	B	A
Bn-A03-p10414176	A3	35	44.3	A	B	A	A	B	B	A	B	A	A	A	A	A	B	A	0	A	A	B	B	A
Bn-A03-p10651420	A3	36	45.2	A	B	A	A	B	B	A	B	A	A	A	A	A	B	A	0	B	A	B	B	A
Bn-A03-p10757525	A3	37	46.1	A	B	A	A	B	B	A	B	A	A	A	A	A	B	A	0	B	A	B	B	A
Bn-A03-p11319722	A3	38	47	A	B	A	A	B	B	A	B	A	A	A	A	A	B	A	0	B	A	B	B	A
Bn-A03-p11517597	A3	39	47.8	A	B	A	A	B	B	A	B	A	A	A	A	A	B	A	0	B	A	B	B	A
Bn-A03-p12186958	A3	40	49.4	A	B	B	A	B	B	A	B	A	A	A	A	A	B	A	0	B	A	B	B	A
Bn-A03-p12639200	A3	41	51	A	B	B	A	B	B	A	B	A	A	A	A	A	B	A	0	B	A	B	B	A
Bn-A03-p12990610	A3	42	51.8	A	B	B	A	B	B	A	B	A	A	A	A	A	B	A	0	B	A	B	B	A
Bn-A03-p13104283	A3	43	52.6	A	B	B	A	B	B	A	B	A	A	A	A	A	B	A	0	B	A	B	B	B
Bn-A03-p14112910	A3	44	56.7	A	B	B	A	B	B	A	B	A	A	A	A	A	B	A	B	B	A	B	B	B
Bn-A03-p14175904	A3	45	60.7	A	B	B	B	B	B	A	B	A	A	A	A	A	B	A	B	B	B	B	B	B
Bn-A03-p14306440	A3	46	62.3	A	B	B	B	B	B	A	B	A	A	B	A	A	B	A	B	B	B	B	B	B
Bn-A03-p14447238	A3	47	63.1	A	B	B	B	B	B	A	B	A	A	B	A	A	B	A	B	B	B	B	B	B
Bn-A03-p15359867	A3	48	64.7	A	B	B	B	B	B	A	B	A	A	B	A	A	B	A	B	B	B	B	B	B
Bn-A03-p15577849	A3	49	65.5	A	B	B	B	B	B	A	B	A	A	B	A	A	B	A	B	B	B	B	B	B
Bn-A03-p15957657	A3	50	67.1	A	B	B	B	B	B	A	B	A	A	B	A	A	B	A	B	B	B	B	B	B
Bn-A03-p16607714	A3	51	68.7	A	B	B	B	B	A	A	B	A	A	B	A	A	A	A	B	B	B	B	B	B
Bn-A03-p16812953	A3	52	69.5	A	B	B	B	B	A	A	B	A	A	B	A	A	A	A	B	B	B	B	B	B
Bn-scaff_17298_1-p1321549	A3	53	70.3	A	B	B	B	B	A	A	B	A	A	B	A	A	A	A	B	B	B	B	B	B
Bn-A03-p17182494	A3	54	71.1	A	B	B	B	B	A	A	B	A	A	B	A	A	A	A	B	B	B	B	B	B
Bn-A03-p17782292	A3	55	71.9	A	B	B	B	B	A	A	B	A	A	B	A	A	A	A	B	B	B	B	B	B
Bn-A03-p18120938	A3	56	72.7	A	B	B	B	B	A	A	B	A	A	B	A	A	A	A	B	B	B	B	B	B
Bn-A03-p18836509	A3	57	73.5	A	B	B	B	B	A	A	B	A	A	B	A	A	A	A	B	B	B	B	B	B
Bn-A03-p18846268	A3	58	74.3	A	B	B	B	B	A	A	B	A	A	B	A	A	A	A	B	B	B	B	B	B

Bn-A03-p19880918	A3	59	75.1	A	B	B	B	B	A	A	B	A	A	B	A	A	A	A	B	B	B	B	B	
Bn-A03-p20033408	A3	60	75.9	A	B	B	B	B	A	A	B	A	A	B	B	A	A	A	B	B	B	B	B	
Bn-A03-p20079452	A3	61	76.7	A	B	B	B	B	A	A	B	A	A	B	B	A	A	A	B	B	B	B	B	
Bn-A03-p20151244	A3	62	77.5	A	B	B	B	B	A	A	B	A	A	B	B	A	A	A	B	B	B	B	B	
Bn-A03-p20180463	A3	63	79.1	A	B	B	B	B	A	A	B	A	A	B	B	A	A	A	B	B	B	B	B	
Bn-A03-p20237681	A3	64	79.9	A	B	B	B	B	A	A	B	A	A	B	B	A	A	A	B	B	B	B	B	
Bn-A03-p20523585	A3	65	81.5	A	B	B	B	B	A	A	B	A	A	B	B	A	A	A	B	B	B	B	B	
Bn-A03-p20983297	A3	66	83.9	A	B	B	B	B	A	B	B	A	A	B	B	B	A	A	B	B	B	B	B	
Bn-A03-p21271941	A3	67	84.7	A	B	B	B	B	A	B	B	A	A	B	B	B	A	A	B	B	B	B	B	
Bn-A03-p21422696	A3	68	85.5	A	B	B	B	B	A	B	B	A	A	B	B	B	A	A	B	B	B	B	B	
Bn-A03-p21632587	A3	69	86.3	A	B	B	B	B	A	B	B	A	A	B	B	B	A	A	B	B	B	B	B	
Bn-A03-p21685480	A3	70	87.1	A	B	B	B	B	A	B	B	A	A	B	B	B	A	A	B	B	B	B	B	
Bn-A03-p21904842	A3	71	87.9	A	B	B	B	B	A	B	B	A	A	B	B	B	A	A	B	B	B	B	B	
Bn-A03-p22820943	A3	72	88.7	A	B	B	B	B	A	B	B	A	A	B	B	B	A	A	B	B	B	B	B	
Bn-A03-p22882585	A3	73	89.5	A	B	B	B	B	A	B	B	A	A	B	B	B	A	A	B	B	B	B	B	
Bn-A03-p23017354	A3	74	90.3	A	B	B	B	B	A	B	B	A	A	B	B	B	A	A	B	B	B	B	B	
Bn-A03-p29571938	A3	75	92.7	A	B	B	B	B	A	B	B	B	A	B	B	B	A	A	B	B	B	B	B	
Bn-A03-p23735715	A3	76	93.5	A	B	B	B	B	A	B	B	B	A	B	B	B	A	A	B	B	B	B	A	
Bn-A03-p24092986	A3	77	95.1	A	B	B	B	B	A	B	B	B	A	B	B	B	A	A	B	B	B	B	A	
Bn-A03-p24176332	A3	78	95.9	A	B	B	B	B	A	B	B	B	A	B	B	B	A	A	B	B	B	B	A	
Bn-A03-p24902631	A3	79	98.3	A	B	B	B	B	A	B	B	B	A	B	B	B	A	A	B	B	B	B	A	
Bn-A03-p25402301	A3	80	99.1	A	B	B	B	B	A	B	B	B	A	B	B	B	A	A	B	B	B	B	A	
Bn-A03-p25525612	A3	81	99.9	A	B	B	B	B	A	B	B	B	A	B	B	B	A	A	B	B	B	B	A	
Bn-A03-p25614406	A3	82	100.7	A	B	B	B	B	A	B	B	B	A	B	B	B	A	A	B	B	B	B	A	
Bn-A03-p25631316	A3	83	101.5	A	B	B	B	B	A	B	B	B	A	B	B	B	A	A	B	B	B	B	A	
Bn-A03-p25993601	A3	84	102.3	A	B	B	B	B	A	B	B	B	A	B	B	B	A	A	B	B	B	B	A	
Bn-A03-p26066930	A3	85	103.1	A	B	B	B	B	A	B	B	B	A	B	B	B	A	A	B	B	B	B	A	
Bn-A03-p26284882	A3	86	103.9	A	B	B	B	B	A	B	B	B	A	B	B	B	A	A	B	B	B	B	A	
Bn-A03-p26288769	A3	87	104.7	A	B	B	B	B	A	B	B	B	A	B	B	B	A	A	B	B	B	B	A	
Bn-A03-p26477533	A3	88	105.5	A	B	B	B	B	A	B	B	B	A	B	B	B	A	A	B	B	B	B	A	
Bn-A03-p26775994	A3	89	109.5	A	B	B	B	B	A	B	B	B	A	B	B	B	A	A	B	B	B	B	A	
Bn-A03-p27066000	A3	90	110.3	A	B	B	B	B	A	B	B	B	A	B	B	B	A	A	B	B	B	B	A	
Bn-A03-p27683723	A3	91	111.1	A	B	B	B	B	A	B	B	B	A	B	B	B	A	A	B	B	B	B	A	
Bn-A03-p28535638	A3	92	111.9	A	B	B	B	B	A	B	B	B	A	B	B	B	A	A	B	B	B	B	A	
Bn-Scaffold000096-p878406	A3	93	112.7	A	B	B	B	B	A	B	B	B	A	B	B	B	A	A	B	B	B	B	A	
Bn-A03-p28126287	A3	94	114.3	A	B	B	B	B	A	B	B	B	A	B	B	B	A	A	B	B	B	B	A	
Bn-A04-p122280	A4	1	0	A	B	A	A	A	A	A	B	A	B	A	B	B	B	A	B	A	A	A	B	B
Bn-A04-p267294	A4	2	0.8	A	B	A	A	A	A	A	B	A	B	A	B	B	B	A	B	A	A	A	B	B
Bn-A04-p810935	A4	3	3.2	A	B	A	A	A	A	A	B	A	B	A	B	B	B	A	B	A	A	A	B	B
Bn-A04-p1213196	A4	4	4	A	B	A	A	A	A	A	B	A	B	A	B	B	B	A	B	A	A	A	B	B
Bn-A04-p1317446	A4	5	4.8	A	B	A	A	A	A	A	B	A	B	A	B	B	B	A	B	A	A	A	B	B
Bn-A04-p1390449	A4	6	5.6	A	B	A	A	A	A	A	B	A	B	A	B	B	B	A	B	A	A	A	B	B
Bn-A04-p1623151	A4	7	6.4	A	B	A	A	A	A	A	B	A	B	A	B	B	B	A	B	A	A	A	B	B
Bn-A04-p1655416	A4	8	7.2	A	B	A	A	A	A	A	B	A	B	A	B	B	B	A	B	A	A	A	B	B
Bn-A04-p1680506	A4	9	8.8	A	B	A	A	A	B	A	B	A	B	A	B	B	B	A	B	A	A	A	B	B
Bn-A04-p1745832	A4	10	9.6	A	B	A	A	A	B	A	B	A	B	A	B	B	B	A	B	A	A	A	B	B
Bn-A04-p1931502	A4	11	10.4	A	B	A	A	A	B	A	B	A	B	A	B	B	B	A	B	A	A	A	B	B
Bn-A04-p3225119	A4	12	12	A	B	A	A	A	B	A	B	A	B	A	B	B	B	A	B	A	A	A	B	B
Bn-A04-p3632226	A4	13	13.6	A	B	A	A	A	B	A	B	A	B	A	B	B	B	A	B	A	A	A	B	B

Bn-A05-p2106680	A5	13	16.8	A	B	A	A	B	B	B	B	A	B	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	
Bn-A05-p2303112	A5	14	17.6	A	B	A	A	B	B	B	B	A	B	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Bn-A05-p2345233	A5	15	20	A	B	A	A	B	B	B	B	A	B	A	B	A	A	A	A	A	A	A	A	A	A	A	A	B	
Bn-A05-p2367876	A5	16	22.4	A	B	A	A	B	B	B	B	A	B	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Bn-scaff_16534_1-p648790	A5	17	23.2	A	B	A	A	B	B	B	B	A	B	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Bn-A05-p2641800	A5	18	24	A	B	A	A	B	B	B	B	A	B	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Bn-A05-p2726301	A5	19	26.4	A	B	A	A	B	B	B	B	A	B	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Bn-A05-p3005109	A5	20	27.2	A	B	B	A	B	B	B	B	A	B	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Bn-A05-p3307736	A5	21	28.8	A	B	B	A	B	B	B	B	A	B	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Bn-A05-p3507831	A5	22	29.6	A	B	B	A	B	B	B	B	A	B	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Bn-A05-p3834445	A5	23	31.2	A	B	B	A	B	B	B	B	A	B	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Bn-A05-p3923814	A5	24	32	A	B	B	A	B	B	B	B	A	B	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Bn-A05-p3966848	A5	25	32.8	A	B	B	A	B	A	B	B	A	B	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Bn-A05-p3988958	A5	26	33.6	A	B	B	A	B	A	B	B	A	B	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	B
Bn-A05-p4121158	A5	27	34.4	A	B	B	A	B	A	B	B	A	B	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	B
Bn-A05-p4336667	A5	28	38.4	A	B	B	B	A	B	B	B	A	B	A	B	A	A	A	A	A	A	A	B	A	A	B	A	A	B
Bn-scaff_18440_1-p132335	A5	29	39.2	A	B	B	B	A	B	B	B	A	A	B	A	A	A	A	A	A	A	B	A	A	B	A	A	B	
Bn-A05-p4940713	A5	30	40	A	B	B	B	A	B	B	B	A	A	A	B	A	A	A	A	A	A	B	A	A	B	A	A	B	
Bn-A05-p5093548	A5	31	41.6	A	B	B	B	A	B	B	B	A	A	A	A	A	A	A	A	A	A	B	A	A	B	A	A	B	
Bn-A05-p5372015	A5	32	43.2	A	A	B	B	B	A	B	B	A	A	A	A	A	A	A	A	A	A	B	A	A	B	A	A	B	
Bn-A05-p5475992	A5	33	44	A	A	B	B	B	A	B	B	A	A	A	A	A	A	A	A	A	A	B	A	A	B	A	A	B	
Bn-A05-p5805445	A5	34	44.8	A	A	B	B	B	A	B	B	A	A	A	A	A	A	A	A	A	A	B	A	A	B	A	A	B	
Bn-A05-p5970916	A5	35	45.6	A	A	B	B	B	A	B	B	A	A	A	A	A	A	A	A	A	A	B	A	A	B	A	A	B	
Bn-A05-p6541429	A5	36	47.2	A	A	B	B	B	A	B	B	A	A	A	A	A	A	A	A	A	A	B	A	A	B	A	A	B	
Bn-A05-p6995896	A5	37	48	A	A	B	B	B	A	B	B	A	A	A	A	A	A	A	A	A	A	B	A	A	B	A	A	B	
Bn-A05-p11084469	A5	38	49.6	A	A	B	B	B	A	B	B	A	A	B	A	A	A	A	A	A	A	B	A	A	B	A	A	B	
Bn-A05-p16092993	A5	39	50.4	A	A	B	B	B	A	B	B	A	A	B	A	A	A	A	A	A	A	B	A	A	B	A	A	B	
Bn-A05-p18229790	A5	40	51.2	A	A	B	B	B	A	B	B	A	A	B	A	A	A	A	A	A	A	B	A	A	B	A	A	B	
Bn-A05-p18905070	A5	41	52	A	A	B	B	B	A	B	B	A	A	B	A	A	A	A	A	A	A	B	0	A	A	B	A	A	
Bn-A05-p19070284	A5	42	54.5	A	A	B	B	B	A	B	B	A	A	A	A	A	A	A	A	A	A	B	0	A	A	B	A	A	
Bn-A05-p19116891	A5	43	55.3	A	A	B	B	B	A	B	B	A	A	A	A	A	A	A	A	A	A	B	0	A	A	B	A	A	
Bn-A05-p19650965	A5	44	56.1	A	A	B	B	B	A	B	B	A	A	A	A	A	A	A	A	A	A	B	0	A	A	B	A	A	
Bn-A05-p19802577	A5	45	59.4	A	A	B	B	B	A	B	B	A	A	A	A	A	A	A	A	A	A	B	0	A	A	B	A	A	
Bn-A05-p19919179	A5	46	60.2	A	A	B	B	B	A	B	B	A	A	A	A	A	A	A	A	A	A	B	0	A	A	B	A	A	
Bn-A05-p20254809	A5	47	61	A	A	B	B	B	A	B	B	A	A	A	A	A	A	A	A	A	A	B	0	A	A	B	A	A	
Bn-A05-p20555996	A5	48	62.7	A	A	B	B	B	A	B	B	A	A	A	A	A	A	A	A	A	A	B	0	A	A	B	A	A	
Bn-A05-p20972649	A5	49	65.2	A	A	B	B	A	A	B	B	A	A	A	A	A	A	A	A	A	A	B	0	A	A	B	A	A	
Bn-A05-p21028051	A5	50	66	A	A	B	B	A	A	B	B	A	A	A	A	A	A	A	A	A	A	B	0	A	A	B	A	A	
Bn-A05-p21201956	A5	51	66.8	A	A	B	B	A	A	B	B	A	A	A	A	A	A	A	A	A	A	B	0	A	A	B	A	A	
Bn-A05-p21248382	A5	52	67.6	A	A	B	B	A	A	B	B	A	A	A	A	A	A	A	A	A	A	B	0	A	A	B	A	A	
Bn-A05-p21326091	A5	53	69.3	A	A	B	B	A	A	B	B	A	A	A	A	A	A	A	A	A	A	B	0	A	A	B	A	A	
Bn-A05-p21347821	A5	54	70.1	A	A	B	B	A	A	B	B	A	A	A	A	A	A	A	A	A	A	B	0	A	A	B	A	A	
Bn-A05-p21470614	A5	55	73.4	A	A	B	B	A	A	B	B	A	A	A	A	A	A	A	A	A	A	B	0	A	A	B	A	A	
Bn-A05-p21587317	A5	56	74.2	A	A	B	B	A	A	B	B	A	A	A	A	A	A	A	A	A	A	B	0	A	A	B	A	A	
Bn-A05-p21806633	A5	57	75	A	A	B	B	A	A	B	B	A	A	A	A	A	A	A	A	A	A	B	0	A	A	B	A	A	
Bn-A05-p21889289	A5	58	79.2	A	A	B	B	A	A	B	B	A	A	A	A	A	A	A	A	A	A	B	0	A	A	B	A	A	
Bn-A05-p21930978	A5	59	80	A	A	B	B	A	A	B	B	A	A	A	A	A	A	A	A	A	A	B	0	A	A	B	A	A	
Bn-A05-p22152482	A5	60	83.3	A	A	B	A	A	A	B	B	A	A	A	A	A	A	A	A	A	A	0	A	A	B	A	A	A	
Bn-A05-p22089650	A5	61	83.3	A	A	B	A	A	A	B	B	A	A	A	A	A	A	A	A	A	A	0	A	A	B	A	A	A	

Bn-A05-p22218776	A5	62	85	A	A	B	A	A	A	B	B	A	A	A	A	A	A	A	A	A	A	A	A	0	A	B		
Bn-A05-p22269511	A5	63	85.8	A	A	B	A	A	A	B	B	A	A	A	A	A	A	A	A	A	A	A	A	B	A	B		
Bn-A05-p22282750	A5	64	86.6	A	A	B	A	A	A	B	B	A	A	A	A	A	A	A	A	A	A	A	A	B	A	B		
Bn-A05-p22498838	A5	65	87.4	A	A	B	A	A	A	B	B	A	A	A	A	A	A	A	A	A	A	A	A	B	A	B		
Bn-A05-p22591072	A5	66	88.2	A	A	0	A	A	A	B	B	A	A	A	A	A	A	A	A	A	A	B	A	B	A	B		
Bn-A05-p22613926	A5	67	89	A	A	0	A	A	A	B	B	A	A	A	A	A	A	A	A	A	B	A	B	A	B			
Bn-A05-p22691469	A5	68	89.8	A	A	0	A	A	A	B	B	A	A	A	A	A	A	A	A	B	A	B	A	B	A	B		
Bn-A05-p22767106	A5	69	90.6	A	A	0	A	A	A	B	B	A	A	A	A	A	A	A	A	B	A	B	A	B	A	B		
Bn-A05-p22789711	A5	70	91.4	A	A	0	A	A	A	B	B	A	A	A	A	A	A	A	A	B	A	B	A	B	A	B		
Bn-A05-p22899595	A5	71	92.2	A	A	0	A	A	A	B	B	A	A	A	A	A	A	A	A	B	A	B	A	B	A	B		
Bn-A05-p22973324	A5	72	93	A	A	0	A	A	A	B	B	A	A	A	A	A	A	A	A	B	A	B	A	B	A	B		
Bn-A02-p23161914	A5	73	93.8	A	A	0	A	A	A	B	B	A	A	A	A	A	A	A	A	B	A	B	B	B	B	B		
Bn-A05-p23253826	A5	74	94.6	A	A	0	A	A	A	B	B	A	A	A	A	A	A	A	A	B	A	B	B	B	B	B		
Bn-Scaffold000191-p53301	A5	75	96.3	A	A	0	A	A	A	B	B	A	A	A	A	A	A	A	A	B	A	B	B	B	B	B		
Bn-A02-p26901243	A5	76	98	A	A	0	A	A	A	B	B	A	A	A	A	A	A	A	A	B	A	B	B	B	B	B		
Bn-A02-p26665282	A5	77	98.8	A	A	0	A	A	A	B	B	A	A	A	A	A	A	A	A	B	A	B	B	B	B	B		
Bn-A05-p23776343	A5	78	99.6	A	A	0	A	A	A	B	B	A	A	A	A	A	A	A	A	B	A	B	B	B	B	B		
Bn-A06-p195449	A6	1	0	B	B	B	A	B	B	A	B	B	B	A	A	B	B	B	A	A	B	B	A	A	B	B	A	
Bn-A06-p1054104	A6	2	0.8	B	B	B	A	B	B	A	B	B	B	A	A	B	B	B	A	A	A	B	B	A	A	B	B	A
Bn-A06-p1322724	A6	3	1.6	B	B	B	A	B	B	A	B	B	B	A	A	B	B	B	A	A	A	B	B	A	A	B	B	A
Bn-A06-p1404859	A6	4	2.4	B	B	B	A	B	B	A	B	B	B	A	A	B	B	B	A	A	A	B	B	A	A	B	B	A
Bn-A06-p1507197	A6	5	3.2	B	B	B	A	B	B	A	B	B	B	A	A	B	B	B	A	A	A	B	B	A	A	B	B	A
Bn-A06-p1743446	A6	6	4	B	B	B	A	B	B	A	B	B	B	A	A	B	B	B	A	A	A	B	B	A	A	B	B	A
Bn-A06-p1768254	A6	7	4.8	B	B	B	A	B	B	A	B	A	B	A	A	B	B	B	A	A	A	B	B	A	A	B	B	A
Bn-A06-p1947247	A6	8	5.6	B	B	B	A	B	B	A	B	A	B	A	A	B	B	B	A	A	A	B	B	A	A	B	B	A
Bn-A06-p2234718	A6	9	6.4	B	B	B	A	B	B	A	B	A	B	A	A	B	B	B	A	A	A	B	B	A	A	B	B	A
Bn-A06-p2251910	A6	10	7.2	B	B	B	A	B	B	A	B	A	B	A	A	B	B	B	A	A	A	B	B	A	A	B	B	A
Bn-A06-p2268393	A6	11	11.2	B	B	B	A	B	B	A	B	A	B	A	A	B	B	B	A	A	A	B	B	A	A	B	B	A
Bn-A06-p2407080	A6	12	14.4	B	B	B	A	B	B	A	B	A	B	A	A	B	B	B	A	A	A	B	B	A	A	B	B	A
Bn-A06-p2514723	A6	13	16	B	B	B	A	B	B	A	B	A	B	A	A	B	B	B	A	A	A	B	B	A	A	B	B	A
Bn-A06-p2542722	A6	14	16.8	B	B	B	A	B	B	A	B	A	B	A	A	B	B	B	A	A	A	B	B	A	A	B	B	A
Bn-A06-p2617079	A6	15	18.4	B	B	B	A	B	B	A	A	A	B	A	A	B	B	B	A	A	A	B	B	A	A	B	B	A
Bn-A06-p2676314	A6	16	19.2	B	B	B	A	B	B	A	A	A	B	A	A	B	B	B	A	A	A	B	B	A	A	B	B	A
Bn-A06-p2891290	A6	17	21.6	B	B	B	A	B	B	A	A	A	B	A	A	B	B	B	A	A	A	B	B	A	A	B	B	A
Bn-A06-p2936438	A6	18	22.4	B	B	B	A	B	B	A	A	A	B	A	A	B	B	B	A	A	A	B	B	A	A	B	B	A
Bn-A06-p2958095	A6	19	23.2	B	B	B	A	B	B	A	A	A	B	A	A	B	B	B	A	A	A	B	B	A	A	B	B	A
Bn-A06-p3050747	A6	20	24.8	B	B	B	A	B	B	A	A	A	B	A	A	B	B	B	A	A	A	B	B	A	A	B	B	A
Bn-A06-p3325502	A6	21	25.6	B	B	B	A	B	B	A	A	A	B	A	A	B	B	B	A	A	A	B	B	A	A	B	B	A
Bn-A06-p3491241	A6	22	26.4	B	B	B	A	B	B	A	A	A	B	A	A	B	B	B	A	A	A	B	B	A	A	B	B	A
Bn-A06-p3970972	A6	23	28	B	B	B	A	B	B	A	A	A	B	A	A	B	B	B	A	A	A	B	B	A	A	B	B	A
Bn-A06-p4019827	A6	24	28.8	B	B	B	A	B	B	A	A	A	B	A	A	B	B	B	A	A	A	B	B	A	A	B	B	A
Bn-A06-p4021930	A6	25	29.6	B	B	B	A	B	B	A	A	A	B	A	A	B	B	B	A	A	A	B	B	A	A	B	B	A
Bn-A06-p4098800	A6	26	30.4	B	B	B	A	B	B	A	A	A	B	A	A	B	B	B	A	A	A	B	B	A	A	B	B	A
Bn-A06-p4179318	A6	27	31.2	B	B	B	A	B	B	A	A	A	B	A	A	B	B	B	A	A	A	B	B	A	A	B	B	A
Bn-A06-p4371627	A6	28	32.8	B	B	B	A	B	B	A	A	A	B	A	A	B	B	B	A	A	A	B	B	A	A	B	B	A
Bn-A06-p4508774	A6	29	33.6	B	B	B	A	B	B	A	A	A	B	A	A	B	B	B	A	A	A	B	B	A	A	B	B	A
Bn-A06-p4874556	A6	30	34.4	B	B	B	A	B	B	A	A	A	B	A	A	B	B	B	A	A	A	B	B	A	A	B	B	A
Bn-A06-p5546411	A6	31	35.2	B	B	B	A	B	B	A	A	A	B	A	A	B	B	B	A	A	A	B	B	A	A	B	B	A
Bn-A06-p5616164	A6	32	36.8	B	B	B	A	B	B	A	A	A	B	A	A	B	B	B	A	A	A	B	B	A	A	B	B	A

Bn-A06-p5739682	A6	33	37.6	B	B	B	A	B	B	A	A	A	B	A	A	B	B	B	A	B	A	B	B	A
Bn-A06-p5947781	A6	34	38.4	B	B	B	A	B	B	A	A	A	B	A	A	B	B	B	A	B	A	B	B	A
Bn-A06-p5956274	A6	35	39.2	B	B	B	A	B	B	A	A	A	B	A	A	B	B	B	A	B	A	B	B	A
Bn-A06-p6103844	A6	36	40	B	B	B	A	B	B	A	A	A	A	A	B	B	B	A	B	A	B	B	A	
Bn-A06-p6182046	A6	37	40.8	B	B	B	A	B	B	A	A	A	A	A	B	B	B	A	B	A	B	B	A	
Bn-A06-p6311231	A6	38	41.6	B	B	B	A	B	B	A	A	A	A	A	B	B	B	A	B	A	B	B	A	
Bn-A06-p6343931	A6	39	42.4	B	B	B	A	B	B	A	A	A	A	A	B	B	B	A	B	A	B	B	A	
Bn-A06-p6624071	A6	40	43.2	B	B	B	A	B	B	A	A	A	A	A	B	B	B	A	B	A	B	B	A	
Bn-A06-p6647323	A6	41	44	B	B	B	A	B	B	A	A	A	A	B	A	B	B	A	B	A	B	B	A	
Bn-A06-p6761232	A6	42	44.8	B	B	B	A	B	B	A	A	A	A	B	A	B	B	A	B	A	B	B	A	
Bn-A06-p7670696	A6	43	45.6	B	B	B	A	A	B	A	A	A	A	B	A	B	B	A	B	A	B	B	A	
Bn-A06-p7701069	A6	44	47.2	B	B	B	A	A	B	A	A	A	A	B	A	B	B	A	B	A	B	B	A	
Bn-A06-p8263325	A6	45	48	B	B	B	A	A	B	A	A	A	A	B	A	B	B	A	B	A	B	B	A	
Bn-A06-p8446816	A6	46	51.2	B	B	B	B	A	B	A	A	A	A	B	A	B	B	A	B	B	B	B	A	
Bn-A06-p10330066	A6	47	52.8	B	B	B	B	A	B	A	A	A	A	B	A	B	B	A	B	B	B	B	A	
Bn-A06-p15258692	A6	48	53.6	B	B	B	B	A	B	A	A	A	A	B	A	B	B	A	B	B	B	B	A	
Bn-A06-p16657894	A6	49	54.4	B	B	B	B	A	B	A	A	A	A	B	A	B	B	A	B	B	B	B	A	
Bn-A06-p17006799	A6	50	55.2	B	B	B	B	A	B	A	A	A	A	B	A	B	B	A	B	B	B	B	A	
Bn-A09-p18588652	A6	51	56	B	B	B	B	A	B	A	A	A	B	A	B	A	B	A	B	B	B	B	A	
Bn-A06-p17548894	A6	52	56.8	B	B	B	B	A	B	A	A	A	B	A	B	A	B	A	B	B	B	B	A	
Bn-A06-p17671185	A6	53	57.6	B	B	B	B	A	B	A	A	A	B	A	B	A	B	A	B	B	B	B	A	
Bn-A06-p18029021	A6	54	58.4	B	B	B	B	A	B	A	A	A	B	A	B	A	B	B	B	B	B	B	A	
Bn-A06-p18219362	A6	55	59.2	B	B	B	B	A	B	A	A	A	B	A	B	A	B	B	B	B	B	B	A	
Bn-A06-p18364834	A6	56	60	B	B	B	B	A	B	A	A	A	B	A	B	A	B	B	B	B	B	B	A	
Bn-A06-p18402713	A6	57	61.6	B	B	B	B	A	B	A	A	A	B	A	B	A	B	B	B	B	B	B	A	
Bn-A06-p18500596	A6	58	62.4	B	B	B	B	A	B	B	A	A	B	A	B	A	B	B	B	B	B	B	A	
Bn-A06-p21525576	A6	59	63.2	B	B	B	B	A	B	B	A	A	B	A	B	A	B	B	B	B	B	B	A	
Bn-A06-p21349507	A6	60	64	B	B	B	B	A	B	B	A	A	B	A	B	A	B	B	B	B	B	B	A	
Bn-A06-p21195115	A6	61	64.8	B	B	B	B	A	B	B	A	A	B	A	B	A	B	B	B	B	B	B	A	
Bn-A06-p21163037	A6	62	65.6	B	B	B	B	A	B	B	A	A	B	A	B	B	B	B	B	B	B	B	A	
Bn-scaff_18520_1-p488642	A6	63	66.4	B	B	B	B	A	B	B	A	A	B	A	B	B	B	B	B	B	B	B	A	
Bn-A06-p21134315	A6	64	67.2	B	B	B	B	A	B	B	A	A	B	A	B	B	B	B	B	B	B	B	B	
Bn-A06-p21101957	A6	65	68	B	B	B	B	A	B	B	A	A	B	A	B	B	B	B	B	B	B	B	B	
Bn-A06-p21072392	A6	66	68.8	B	B	B	B	A	B	B	A	A	B	A	B	B	B	B	B	B	B	A	B	
Bn-A06-p21796008	A6	67	70.4	B	B	B	B	A	B	B	A	A	B	A	B	B	B	B	B	B	B	A	B	
Bn-A06-p21800812	A6	68	71.2	B	B	B	B	A	B	B	A	A	B	A	B	B	B	B	B	B	B	A	B	
Bn-A06-p21826671	A6	69	72	B	B	B	B	A	B	B	A	A	B	A	B	B	B	B	B	B	A	B	B	
Bn-A06-p21846491	A6	70	73.6	B	B	B	B	A	B	B	A	A	B	A	B	B	B	B	B	B	A	B	B	
Bn-A06-p22160452	A6	71	74.4	B	B	B	B	A	B	B	A	A	B	A	B	B	B	B	B	B	A	B	B	
Bn-A06-p22709872	A6	72	76	B	B	B	B	A	B	B	A	A	B	A	B	B	B	B	B	B	A	B	B	
Bn-A06-p22947499	A6	73	76.8	B	B	B	B	A	B	B	A	A	B	A	B	B	B	B	B	B	A	B	B	
Bn-A06-p23468803	A6	74	78.4	B	B	B	B	A	B	B	A	A	B	A	B	B	B	B	B	B	A	B	B	
Bn-A06-p23591616	A6	75	79.2	B	B	B	B	A	B	B	A	A	B	A	B	B	B	B	B	B	A	B	B	
Bn-A06-p23665564	A6	76	80.8	B	B	B	B	A	B	B	A	A	B	A	B	B	B	B	B	B	A	B	B	
Bn-A06-p23852270	A6	77	81.6	B	B	B	B	A	B	B	A	A	B	A	B	B	B	B	B	B	A	B	B	
Bn-A06-p23988702	A6	78	83.2	B	B	B	B	A	B	B	A	A	B	A	B	B	B	B	A	B	B	A	B	
Bn-A06-p24099288	A6	79	84	B	B	B	B	A	B	B	A	A	B	A	B	B	B	B	A	B	B	A	B	
Bn-A06-p24386467	A6	80	84.8	B	B	B	B	A	B	B	A	A	A	B	B	B	B	A	B	B	A	B	B	
Bn-A06-p24467652	A6	81	85.6	B	B	B	B	A	B	B	A	A	A	B	B	B	B	A	B	B	A	B	B	

Bn-A06-p24501315	A6	82	87.2	B	B	A	B	A	B	B	A	A	A	A	B	B	B	B	A	B	B	A	B	B
Bn-A06-p24503033	A6	83	88	B	B	A	B	A	B	B	A	A	A	A	B	B	B	B	A	B	B	A	B	B
Bn-A06-p24705718	A6	84	90.4	B	B	A	B	A	B	B	A	A	A	A	B	B	B	B	A	B	B	A	B	B
Bn-scaff_21268_1-p193486	A6	85	91.2	B	B	A	B	A	B	B	A	A	A	A	B	B	B	B	A	B	B	A	B	B
Bn-scaff_15712_1-p1137014	A6	86	97.7	A	B	A	B	A	B	B	A	A	A	A	B	B	A	A	A	B	B	A	B	B
Bn-A06-p25343454	A6	87	98.5	A	B	A	B	A	B	B	A	A	A	A	B	B	A	A	A	B	B	A	B	B
Bn-A06-p25786733	A6	88	99.3	A	B	A	B	A	B	B	A	A	A	A	B	B	A	A	A	B	B	A	B	B
Bn-A06-p26144731	A6	89	100.1	A	B	A	B	A	B	B	A	A	A	A	B	B	A	A	A	B	B	A	B	B
Bn-A07-p1292866	A7	1	0	B	B	B	B	A	B	0	B	B	B	A	A	A	B	B	B	A	B	B	B	0
Bn-A10-p11608969	A7	2	0.8	B	B	B	B	A	B	0	B	B	B	A	A	A	B	B	B	A	B	B	B	0
Bn-A10-p12014652	A7	3	1.6	B	B	B	B	A	B	0	B	B	B	A	A	A	B	B	B	A	B	B	B	0
Bn-A10-p12631706	A7	4	2.4	B	B	B	B	A	B	0	B	B	B	A	A	A	B	B	B	A	B	A	B	0
Bn-A07-p4916203	A7	5	3.2	B	B	B	B	A	B	B	B	B	B	A	A	A	B	B	B	A	B	A	B	0
Bn-A07-p5412930	A7	6	4.1	B	B	B	B	A	B	B	B	B	B	A	A	B	B	B	B	A	B	A	B	0
Bn-A07-p8516667	A7	7	5	B	B	B	B	A	B	0	B	B	B	A	A	B	B	B	B	A	B	A	B	0
Bn-A07-p9272000	A7	8	6.6	B	B	B	B	A	B	0	B	B	B	A	A	B	B	B	B	A	B	A	A	0
Bn-A07-p9661444	A7	9	8.3	B	B	B	B	A	B	0	B	B	B	A	A	B	B	B	B	A	B	A	A	0
Bn-A07-p9791002	A7	10	9.1	B	B	A	B	A	B	0	B	B	B	A	A	B	B	B	B	A	B	A	A	0
Bn-A07-p10750190	A7	11	10	B	B	A	B	A	B	0	B	B	B	A	A	B	B	B	B	A	B	A	A	0
Bn-A02-p771951	A7	12	10.8	B	B	A	B	A	B	0	B	B	B	A	A	B	B	B	B	A	B	A	A	0
Bn-A07-p11629852	A7	13	11.6	B	B	A	B	A	B	0	B	B	B	A	A	B	B	B	B	A	B	A	A	0
Bn-A07-p11838401	A7	14	12.2	B	B	A	B	A	B	0	B	B	B	A	A	B	B	B	B	A	B	A	A	0
Bn-A07-p12362172	A7	15	13.1	B	B	B	B	A	B	0	B	B	B	A	A	B	B	B	B	A	B	A	A	0
Bn-A07-p12757009	A7	16	14	B	B	B	B	A	B	0	B	B	B	A	A	B	B	B	B	A	B	A	A	0
Bn-A07-p12833434	A7	17	17.5	B	B	B	A	A	B	0	B	B	B	A	A	B	B	B	B	A	A	A	A	0
Bn-A07-p13147502	A7	18	19.2	B	B	B	A	A	B	0	B	B	B	A	A	B	B	B	B	A	A	A	A	0
Bn-A07-p13587753	A7	19	20.1	B	B	B	A	A	B	0	B	B	B	A	A	B	B	B	B	A	A	A	A	0
Bn-A07-p13659939	A7	20	21	B	B	B	A	A	B	0	B	B	B	A	A	B	B	B	B	A	A	A	A	0
Bn-A07-p13739429	A7	21	21.9	B	B	B	A	A	B	0	B	B	B	A	A	B	B	B	B	A	A	A	A	0
Bn-A07-p14005263	A7	22	22.8	B	B	B	A	A	B	0	B	B	B	A	A	B	B	B	B	A	A	A	A	0
Bn-A07-p14453848	A7	23	23.7	B	B	B	A	A	A	0	B	B	B	A	A	B	B	B	B	A	A	A	A	0
Bn-A07-p14523096	A7	24	24.7	B	B	B	A	A	A	0	B	B	B	A	A	B	B	B	B	A	A	A	A	0
Bn-A07-p14759961	A7	25	25.6	B	B	B	A	A	A	0	B	B	B	A	A	B	B	B	B	A	B	A	A	0
Bn-A07-p15352802	A7	26	26.5	B	B	B	A	A	A	0	B	B	B	A	A	B	B	B	B	A	B	A	A	B
Bn-A07-p15578269	A7	27	27.4	B	B	B	A	A	A	0	B	B	B	A	A	B	B	B	B	A	B	A	A	B
Bn-A07-p15949460	A7	28	29.2	B	B	B	A	A	A	0	B	B	B	A	A	B	B	B	B	A	B	A	A	B
Bn-A07-p16074768	A7	29	30.1	B	B	B	A	A	A	0	B	B	B	A	A	B	B	B	B	A	B	A	A	B
Bn-A07-p16183869	A7	30	31	B	B	B	A	A	A	0	B	B	B	A	A	A	B	B	B	A	B	A	A	B
Bn-A07-p16468333	A7	31	31.9	B	B	B	A	A	A	0	B	B	B	A	A	A	B	B	B	A	B	A	A	B
Bn-A07-p17212130	A7	32	32.8	B	B	B	A	A	A	0	B	B	B	A	A	A	B	B	B	A	B	A	A	B
Bn-A07-p17804261	A7	33	33.7	B	B	B	A	A	A	0	B	B	B	A	A	A	B	B	B	A	B	A	A	B
Bn-A07-p18020732	A7	34	34.6	B	B	B	A	B	A	B	B	B	B	A	A	A	B	B	B	A	B	A	A	B
Bn-A07-p18922121	A7	35	35.5	B	B	B	A	B	A	B	B	B	B	A	A	A	B	B	B	A	B	A	A	B
Bn-A07-p19190510	A7	36	38.2	B	B	B	A	B	A	B	B	B	B	A	A	A	B	B	B	A	B	A	A	B
Bn-A07-p19458370	A7	37	39.1	B	B	B	A	B	A	B	B	B	B	A	A	A	B	B	B	A	B	A	A	B
Bn-A07-p19865996	A7	38	40	B	B	B	A	B	A	B	B	B	B	A	A	A	B	B	B	A	B	A	A	B
Bn-A07-p19961825	A7	39	42.5	B	B	B	A	B	A	B	B	B	B	A	A	A	B	B	B	A	0	A	A	B
Bn-A07-p20248654	A7	40	43.6	B	B	B	A	B	A	B	B	B	B	A	A	A	B	B	A	0	A	A	B	A
Bn-A07-p20481682	A7	41	44.5	B	B	B	A	B	A	B	B	B	A	B	B	A	B	B	A	0	A	A	B	A

Bn-A07-p20554194	A7	42	47.7	B	B	B	A	B	A	B	B	B	A	B	B	A	B	B	A	0	A	A	B	A
Bn-A07-p21019499	A7	43	55	B	B	B	A	B	A	B	B	B	A	B	B	A	B	B	A	0	A	A	B	A
Bn-A07-p21261518	A7	44	57.7	B	B	B	A	B	A	B	B	B	A	B	B	A	B	B	A	0	A	A	B	A
Bn-A07-p21476982	A7	45	58.7	B	B	B	A	B	A	B	B	B	A	B	B	A	B	B	A	0	A	A	B	A
Bn-A07-p22329359	A7	46	60	B	B	B	A	B	A	B	B	B	A	B	B	A	B	B	A	0	A	A	B	A
Bn-A08-p792162	A8	1	0	B	A	A	B	B	A	A	A	B	B	B	A	B	B	B	A	A	B	B	B	B
Bn-A08-p2973537	A8	2	0.8	B	A	A	B	B	A	A	A	B	B	B	A	B	B	B	A	A	B	B	B	B
Bn-A08-p8570810	A8	3	1.6	B	A	A	B	B	A	A	A	B	B	B	A	B	B	B	A	A	B	B	B	B
Bn-A08-p8601468	A8	4	4	B	A	A	B	B	A	A	A	B	B	B	A	B	B	B	A	A	B	B	B	B
Bn-A08-p10067927	A8	5	4.8	B	A	A	B	B	A	A	A	B	B	B	A	B	B	B	A	A	B	B	B	B
Bn-A08-p10281337	A8	6	5.6	B	A	A	B	B	B	A	A	B	B	B	A	B	B	B	A	A	B	B	B	B
Bn-A08-p10439396	A8	7	6.4	B	A	A	B	B	B	A	A	B	B	B	A	B	B	B	A	A	B	B	B	B
Bn-scaff_17042_1-p359732	A8	8	7.2	B	A	A	B	B	B	A	A	B	B	B	A	B	B	B	A	A	B	B	B	B
Bn-A08-p12555227	A8	9	9.6	B	A	A	B	B	B	A	A	B	B	B	A	B	B	B	A	A	B	B	B	B
Bn-A08-p13352430	A8	10	10.4	B	A	A	B	B	B	A	A	B	B	B	A	B	B	B	A	A	B	B	B	B
Bn-A08-p13363830	A8	11	12.8	B	A	A	B	B	B	A	A	B	B	B	A	B	B	B	A	A	B	B	B	B
Bn-A08-p13454167	A8	12	13.6	B	A	A	B	B	B	A	A	B	B	B	A	B	B	B	A	A	B	B	B	B
Bn-A08-p13626189	A8	13	16.8	B	A	A	A	B	B	A	A	B	B	B	A	B	B	B	A	A	A	B	B	B
Bn-A08-p13708877	A8	14	17.6	B	A	A	A	B	B	A	A	B	B	B	A	B	B	B	A	A	A	B	B	B
Bn-A08-p14498301	A8	15	18.4	B	A	A	A	B	B	A	A	B	B	B	A	B	B	B	A	A	A	B	B	B
Bn-A08-p14616048	A8	16	19.2	B	A	A	A	B	B	A	A	B	B	B	A	B	B	B	A	A	A	B	B	B
Bn-A08-p14813540	A8	17	20	B	A	A	A	B	B	A	A	B	B	B	A	B	B	B	A	A	A	B	B	B
Bn-scaff_18602_1-p244845	A8	18	20.8	B	A	A	A	B	B	A	A	B	B	B	A	B	B	B	A	A	A	B	B	B
Bn-A08-p15353881	A8	19	21.6	B	A	A	A	B	B	A	A	B	B	B	A	B	B	B	A	A	A	B	B	B
Bn-A08-p15701695	A8	20	22.4	B	A	A	A	B	B	A	A	B	B	B	A	B	B	B	A	A	A	B	B	B
Bn-scaff_24631_1-p745795	A8	21	23.2	B	A	A	A	B	B	A	A	B	B	B	A	B	B	B	A	A	A	B	B	B
Bn-A08-p16183708	A8	22	24	B	A	A	A	A	B	A	A	B	B	B	A	B	B	B	A	A	A	B	B	B
Bn-A08-p16216893	A8	23	24.8	B	A	A	A	A	B	A	A	B	B	B	A	B	B	B	A	A	A	B	B	B
Bn-A08-p16248227	A8	24	25.6	B	A	A	A	A	B	A	A	B	B	B	A	B	B	B	A	A	A	B	B	B
Bn-A08-p16306425	A8	25	26.4	B	A	A	A	A	B	A	A	B	B	B	A	B	B	B	A	A	A	B	B	B
Bn-A08-p16846907	A8	26	27.2	B	A	A	A	A	B	A	A	B	B	B	A	B	B	B	A	A	A	B	B	B
Bn-A08-p16958537	A8	27	28	B	A	B	A	A	B	A	A	B	B	B	A	B	B	B	A	A	A	B	B	B
Bn-A08-p16980526	A8	28	28.8	B	A	B	A	A	B	A	A	B	B	B	A	B	B	B	A	A	A	B	B	B
Bn-A08-p17202184	A8	29	31.2	B	A	B	A	A	B	A	A	B	B	B	A	B	B	B	A	A	A	B	B	B
Bn-A08-p17291598	A8	30	32	B	A	B	A	A	B	A	A	B	B	B	A	B	B	B	A	A	A	B	B	B
Bn-A08-p17301557	A8	31	32.8	B	A	B	A	A	B	A	A	B	B	B	A	B	B	B	A	A	A	B	B	B
Bn-A08-p17513789	A8	32	35.2	B	A	B	A	A	B	A	A	B	B	B	A	B	B	B	A	A	A	B	B	B
Bn-A08-p17530617	A8	33	39.2	B	A	B	A	A	B	A	A	B	B	B	A	B	B	B	A	A	A	B	B	B
Bn-A08-p17824285	A8	34	40	B	A	B	A	A	B	A	A	B	B	B	A	B	B	B	A	A	A	B	B	B
Bn-A08-p17887796	A8	35	41.6	B	A	B	A	A	B	A	A	B	B	B	A	B	B	B	A	A	A	B	B	B
Bn-A08-p18000876	A8	36	43.2	B	A	B	A	A	B	A	A	B	B	B	A	B	B	B	A	A	A	B	B	B
Bn-A08-p18070928	A8	37	44	B	A	B	A	A	B	A	A	B	B	B	A	B	B	B	A	A	A	B	B	B
Bn-A05-p6672638	A8	38	49.7	B	A	B	B	A	B	A	A	B	B	B	A	B	B	B	A	A	B	B	B	B
Bn-A08-p18543984	A8	39	52.9	B	A	B	B	A	B	A	A	B	B	B	A	B	B	B	A	A	B	B	B	B
Bn-A08-p18605816	A8	40	53.7	B	A	B	B	A	B	A	A	B	B	B	A	B	B	B	A	A	B	B	B	B
Bn-A08-p18750116	A8	41	54.5	B	A	B	B	A	B	A	A	B	B	B	B	B	B	B	A	A	B	B	B	B
Bn-A08-p19008575	A8	42	57.7	B	A	B	B	B	A	B	A	B	B	B	B	B	B	B	A	A	B	B	B	B
Bn-scaff_16231_1-p1036610	A8	43	60.1	B	A	B	B	B	A	B	A	B	B	B	B	B	B	B	A	A	B	B	B	B

Bn-A08-p19428204	A8	44	62.5	B	A	B	B	B	A	B	A	B	A	B	B	B	B	B	A	A	B	B	B	B
Bn-scaff_16231_1-p1484914	A8	45	64.1	B	A	B	B	B	A	B	A	B	A	B	B	B	B	B	A	A	B	B	B	B
Bn-A08-p19646345	A8	46	64.9	B	A	B	B	B	A	B	A	B	A	B	B	B	B	B	A	A	B	B	B	B
Bn-A08-p19683899	A8	47	68.1	B	A	B	B	B	A	B	A	B	A	B	B	B	B	B	A	A	B	B	B	B
Bn-A08-p19834705	A8	48	73	B	A	B	B	B	A	B	B	A	B	B	B	B	B	A	A	B	B	B	B	B
Bn-A08-p19960214	A8	49	73.9	B	A	B	B	B	A	B	B	A	B	B	B	A	B	A	A	B	B	B	B	B
Bn-A08-p20068678	A8	50	76.2	B	A	B	B	B	A	B	B	A	B	B	B	A	B	A	A	B	B	B	B	B
Bn-scaff_17227_1-p1101239	A8	51	77	B	A	B	B	B	A	B	B	A	B	B	B	A	B	A	A	B	B	B	B	B
Bn-A08-p20305036	A8	52	77.8	B	A	B	B	B	A	B	B	A	B	B	B	A	B	A	A	B	B	B	B	B
Bn-A08-p20820768	A8	53	81.8	B	A	B	A	B	A	B	B	A	B	B	B	A	B	A	A	A	B	B	B	B
Bn-A08-p20945277	A8	54	84.2	B	A	B	A	B	A	B	B	A	B	B	B	A	B	A	A	A	B	B	B	B
Bn-A08-p21417592	A8	55	85	B	A	B	A	B	A	B	B	A	B	B	B	A	B	A	A	A	B	B	B	B
Bn-A09-p957959	A9	1	0	A	A	A	A	A	B	A	B	A	A	B	A	A	A	A	B	A	A	B	A	A
Bn-A09-p704028	A9	2	0.8	A	A	A	A	A	B	A	B	A	A	B	A	A	A	A	B	A	A	B	A	A
Bn-A09-p86293	A9	3	2.1	A	A	A	A	A	B	A	B	A	A	B	A	A	A	A	B	A	A	B	A	A
Bn-A01-p26968952	A9	4	3.4	A	A	A	A	A	B	A	B	A	A	B	A	A	A	A	B	A	A	B	A	A
Bn-A01-p26837207	A9	5	4.3	A	A	A	A	A	B	A	B	A	A	B	A	A	A	A	B	A	A	B	B	A
Bn-A09-p1188091	A9	6	5.2	A	A	A	A	A	B	A	B	A	A	B	A	A	A	A	B	A	A	B	B	A
Bn-A09-p2116947	A9	7	7.9	A	A	A	A	A	B	A	B	A	A	B	A	A	A	A	B	A	A	B	B	A
Bn-A09-p2157775	A9	8	8.8	A	A	A	A	A	B	A	B	A	A	B	A	A	A	A	B	A	A	B	B	A
Bn-A09-p1929245	A9	9	9.7	A	A	A	A	A	B	A	B	A	A	B	A	A	A	A	B	A	A	B	B	A
Bn-A09-p1856828	A9	10	10.6	A	A	A	A	A	B	A	B	A	A	B	A	A	A	A	B	A	A	B	B	A
Bn-A09-p1570558	A9	11	12.3	A	A	A	A	A	B	A	B	A	A	B	A	A	A	A	B	A	A	B	B	A
Bn-A09-p1552993	A9	12	13.1	A	A	A	A	A	B	A	B	A	A	B	A	A	A	A	B	A	A	B	B	A
Bn-A09-p4096474	A9	13	24.6	A	A	A	A	A	B	A	B	A	A	B	A	A	A	A	B	A	A	B	B	A
Bn-Scaffold000178-p47905	A9	14	25.4	A	A	A	A	A	B	A	B	B	A	A	B	A	A	A	B	A	A	B	B	A
Bn-A09-p4463675	A9	15	26.2	A	A	A	A	A	B	A	B	B	A	A	B	A	A	A	B	A	A	B	B	A
Bn-A09-p4509627	A9	16	27	A	A	A	A	A	B	A	B	B	A	A	B	A	A	A	B	A	A	B	B	A
Bn-A09-p4655322	A9	17	28.6	A	A	A	A	A	B	A	B	B	A	A	B	A	A	A	B	A	A	B	B	A
Bn-A09-p5455608	A9	18	29.4	A	A	A	A	A	B	A	B	B	A	A	B	A	A	A	B	A	A	B	B	B
Bn-A07-p10188190	A9	19	30.2	A	A	A	A	A	B	A	B	B	A	A	B	A	A	A	B	A	A	B	B	B
Bn-A09-p7174944	A9	20	31	A	A	A	A	A	B	A	B	B	A	A	B	A	A	A	B	A	A	B	B	B
Bn-A09-p7047022	A9	21	34.2	A	A	A	A	A	B	B	B	B	A	A	B	A	A	A	A	A	A	B	B	B
Bn-A09-p6922467	A9	22	36.6	A	A	A	A	A	B	B	B	B	A	A	B	A	A	A	A	A	A	B	B	B
Bn-scaff_20428_1-p133089	A9	23	38.2	A	A	A	A	A	B	B	B	B	A	A	B	A	A	A	A	A	A	B	B	B
Bn-A09-p6133524	A9	24	39	A	A	A	A	A	B	B	B	B	A	A	B	A	A	A	A	A	A	B	B	B
Bn-A09-p9379347	A9	25	39.8	A	A	A	A	A	B	B	B	B	A	A	B	A	A	A	A	A	A	B	B	B
Bn-A09-p9512316	A9	26	40.6	A	A	A	A	A	B	B	B	B	A	A	B	A	A	A	A	A	A	B	A	B
Bn-A09-p9865556	A9	27	41.4	A	A	A	A	A	B	B	B	B	A	A	B	A	A	A	A	A	A	B	A	B
Bn-A09-p14266174	A9	28	43	A	A	A	A	A	B	B	B	B	A	A	B	A	A	A	A	A	A	B	A	B
Bn-A09-p16639867	A9	29	43.8	A	A	A	A	A	B	B	B	B	A	A	B	A	A	A	A	A	A	B	A	B
Bn-scaff_23293_1-p239190	A9	30	45.4	A	A	A	A	A	B	B	B	B	A	A	B	A	A	A	A	A	A	B	A	B
Bn-A09-p14535292	A9	31	47	A	A	A	A	A	B	B	B	B	A	A	B	A	A	A	A	A	A	B	A	B
Bn-A09-p17162263	A9	32	47.8	A	A	A	A	A	B	B	B	B	A	A	B	A	A	A	A	A	A	B	A	B
Bn-A09-p19272189	A9	33	49.4	A	A	A	A	A	B	B	B	B	A	A	B	A	A	A	A	A	A	B	A	B
Bn-A09-p22495700	A9	34	53.4	B	A	A	A	A	B	B	B	B	A	A	B	A	A	B	A	A	A	B	A	B
Bn-scaff_22466_1-p75425	A9	35	54.2	B	A	A	A	A	B	B	B	B	A	A	B	A	A	B	A	A	A	B	A	B
Bn-A09-p22873685	A9	36	55	B	A	A	A	A	B	B	B	B	A	A	B	A	A	B	A	A	A	B	A	B
Bn-A09-p23144404	A9	37	55.8	B	A	A	A	A	B	B	B	B	A	A	B	A	A	B	A	A	A	B	A	B

Bn-A09-p23250129	A9	38	56.6	B	A	A	A	B	B	B	A	A	B	A	A	B	A	A	A	B	A	B	
Bn-A09-p23354310	A9	39	57.4	B	A	A	A	A	B	A	B	B	A	A	B	A	A	B	A	A	A	B	A
Bn-A09-p23416800	A9	40	59	B	A	A	A	A	B	A	B	B	A	A	B	A	A	B	A	A	A	B	A
Bn-A09-p23552075	A9	41	59.8	B	A	A	A	A	B	A	B	B	A	A	B	A	A	B	A	A	A	B	A
Bn-A09-p23756115	A9	42	61.4	B	A	A	A	A	B	A	B	B	A	A	B	A	A	B	A	A	A	B	A
Bn-A09-p23904905	A9	43	64.6	B	A	A	A	A	B	A	B	B	A	A	B	A	A	B	A	A	A	B	A
Bn-A09-p24086990	A9	44	65.4	B	A	A	A	A	B	A	B	B	A	A	B	A	A	B	A	A	A	B	A
Bn-Scaffold003668-p282	A9	45	67	B	A	A	A	A	B	A	B	B	A	A	B	A	A	B	A	A	A	B	A
Bn-scaff_21338_1-p359394	A9	46	69.4	B	B	A	A	A	B	A	B	B	A	A	B	A	A	B	A	A	A	B	A
Bn-Scaffold000282-p6257	A9	47	70.2	B	B	A	A	A	B	A	B	B	A	A	B	A	A	B	A	A	A	B	A
Bn-A05-p15802321	A9	48	71	B	B	A	A	A	B	A	B	B	A	A	B	A	A	B	A	A	A	B	A
Bn-A05-p15805806	A9	49	71.8	B	B	A	A	A	B	A	B	B	A	A	B	A	A	B	A	A	A	B	A
Bn-A09-p25455888	A9	50	72.6	B	B	A	A	A	B	A	B	B	A	A	B	A	A	B	A	A	A	B	A
Bn-A09-p26101323	A9	51	73.4	B	B	A	A	A	B	A	B	B	A	A	B	A	B	B	A	A	A	B	A
Bn-A09-p26578867	A9	52	74.2	B	B	A	A	A	B	A	B	B	A	A	B	A	B	B	A	A	A	B	A
Bn-A09-p27103683	A9	53	75.8	B	B	A	A	A	B	A	B	B	A	A	B	A	B	B	B	A	A	B	A
Bn-A09-p27531548	A9	54	76.6	B	B	A	A	A	B	A	B	B	A	A	B	A	B	B	B	A	A	B	A
Bn-scaff_16361_1-p980281	A9	55	77.4	B	B	A	A	A	A	B	A	B	B	A	A	B	B	B	A	A	B	A	A
Bn-A09-p28722989	A9	56	80.6	B	B	A	A	A	A	B	A	B	B	A	A	B	A	B	B	B	A	B	A
Bn-A09-p29186255	A9	57	82.2	B	B	A	A	A	A	A	B	A	A	B	A	B	B	B	A	A	B	A	A
Bn-A09-p29272014	A9	58	83.8	B	B	A	A	A	A	A	B	A	A	B	A	B	B	B	A	A	B	A	A
Bn-A09-p29331470	A9	59	84.6	B	B	A	A	A	A	A	B	A	A	B	A	B	B	B	A	A	B	A	A
Bn-A09-p29493614	A9	60	85.4	B	B	A	A	A	A	A	B	A	A	B	A	B	B	B	A	A	B	A	A
Bn-A09-p29617813	A9	61	86.2	B	B	A	A	A	A	A	B	A	A	B	A	B	B	B	A	A	B	A	A
Bn-A09-p29699253	A9	62	87	B	B	A	A	A	A	A	B	A	A	B	A	B	B	B	A	A	B	A	A
Bn-A09-p29968302	A9	63	87.8	B	B	A	A	A	A	A	B	A	A	B	A	B	B	B	A	A	B	A	A
Bn-A09-p30431025	A9	64	90.2	B	B	A	A	A	A	A	A	A	A	B	A	B	B	B	A	A	B	A	A
Bn-A09-p30724789	A9	65	91	B	B	A	A	A	A	A	A	A	A	B	A	B	B	B	B	A	B	A	A
Bn-A09-p31393136	A9	66	91.8	B	B	A	A	A	A	A	A	A	A	B	A	B	B	B	B	A	B	A	A
Bn-A09-p31494058	A9	67	92.6	B	B	A	A	A	A	A	A	A	A	B	A	B	B	B	B	A	B	A	A
Bn-A09-p5132918	A9	68	93.4	B	B	A	A	A	A	A	A	A	A	B	A	B	B	B	B	A	B	A	A
Bn-A09-p32553111	A9	69	95.8	B	B	A	A	A	A	A	A	A	A	B	A	B	B	B	B	A	B	A	A
Bn-A09-p32980100	A9	70	96.6	B	B	A	A	A	A	A	A	A	A	B	A	B	B	B	B	A	B	A	A
Bn-A09-p33040441	A9	71	97.4	B	B	A	A	A	A	A	A	A	A	B	A	B	B	B	B	A	B	A	A
Bn-A09-p33358168	A9	72	99	B	B	A	A	A	A	A	A	A	A	B	A	B	B	B	B	A	B	A	A
Bn-A09-p33464355	A9	73	99.8	B	B	A	A	A	A	A	A	A	A	B	A	B	B	B	B	A	B	A	A
Bn-A09-p33499505	A9	74	100.6	B	B	A	A	A	A	A	A	A	A	B	A	B	B	B	B	A	B	A	A
Bn-A09-p34039082	A9	75	101.4	B	B	A	A	A	A	A	A	A	A	B	A	B	B	B	B	A	B	A	A
Bn-A09-p34482075	A9	76	103.8	B	B	A	A	A	A	A	A	A	A	B	A	A	B	B	B	A	B	A	A
Bn-A09-p34779068	A9	77	105.4	B	B	A	A	A	A	A	A	A	A	B	A	A	B	B	B	A	B	A	A
Bn-A09-p34995922	A9	78	106.2	B	B	A	A	A	A	A	A	A	A	B	A	A	B	B	B	A	B	A	A
Bn-A09-p35162641	A9	79	107.8	B	B	B	A	A	A	A	A	A	A	B	A	A	B	B	B	A	B	A	A
Bn-A09-p35262679	A9	80	108.6	B	B	B	A	A	A	A	A	A	A	B	A	A	B	B	B	A	B	A	A
Bn-A09-p35426888	A9	81	109.4	B	B	B	A	A	A	A	A	A	A	B	A	A	B	B	B	A	B	A	B
Bn-A09-p35477936	A9	82	110.2	B	B	B	A	A	A	A	A	A	A	B	A	A	B	B	B	A	B	A	B
Bn-A09-p35624679	A9	83	111	B	B	B	A	A	A	A	A	A	A	B	A	A	B	B	B	A	B	A	B
Bn-A09-p35879759	A9	84	112.6	B	B	B	A	A	A	A	A	A	A	B	A	A	B	B	B	A	B	A	B
Bn-A09-p36062760	A9	85	113.4	B	B	B	A	A	A	A	A	A	A	B	A	A	B	B	B	A	B	A	B
Bn-A09-p36200543	A9	86	117.5	A	B	B	A	A	A	A	A	A	A	B	A	A	A	B	B	A	B	A	B

Bn-A09-p36402398	A9	87	118.3	A	B	B	A	A	A	A	A	A	A	A	B	A	A	A	B	B	A	B	A	B
Bn-A09-p36886022	A9	88	125	A	B	B	A	A	A	A	A	A	A	A	B	A	A	A	B	B	A	B	A	B
Bn-scaff_16021_1-p175579	A9	89	127.5	A	B	B	A	A	A	A	A	A	A	A	B	A	A	A	B	B	A	B	A	B
Bn-A10-p4727374	A10	1	0	A	A	A	B	A	B	B	A	A	A	A	B	A	A	B	A	B	B	A	A	A
Bn-scaff_16414_1-p1679802	A10	2	0.8	A	A	A	B	A	B	B	A	A	A	A	B	A	A	B	A	B	B	A	A	A
Bn-A10-p4606815	A10	3	0.8	A	A	A	B	A	B	B	A	A	A	A	B	A	A	B	A	B	B	A	A	A
Bn-A10-p3955901	A10	4	1.6	A	A	A	B	A	B	B	A	A	A	A	B	A	A	B	A	B	B	A	A	A
Bn-A10-p3825331	A10	5	2.4	A	A	A	B	A	B	B	A	A	A	A	B	A	A	B	A	B	B	A	A	A
Bn-A10-p2819947	A10	6	3.2	A	A	A	B	A	B	B	A	A	A	A	A	A	A	B	A	B	B	A	A	A
Bn-A10-p2557960	A10	7	4	A	A	A	B	A	B	B	A	A	A	A	A	A	A	B	A	B	B	A	A	A
Bn-A10-p2523110	A10	8	4.8	A	A	A	B	A	B	B	A	A	A	A	A	A	A	B	A	B	B	A	A	A
Bn-A10-p1791974	A10	9	5.6	A	A	A	B	A	B	B	A	B	A	A	A	A	A	B	A	B	B	A	A	A
Bn-A10-p1698746	A10	10	6.4	A	A	A	B	A	B	B	A	B	A	A	A	A	A	B	A	B	A	A	A	A
Bn-A10-p1458849	A10	11	7.2	A	A	A	B	A	B	B	A	B	A	A	A	A	A	B	A	B	A	A	A	A
Bn-A10-p1345255	A10	12	8	A	A	A	B	A	B	B	A	B	A	A	A	A	A	B	A	B	A	A	A	A
Bn-A10-p754475	A10	13	8.8	A	A	A	B	A	B	B	A	B	A	A	A	A	A	B	A	B	A	A	A	A
Bn-A10-p5317804	A10	14	9.6	A	A	A	B	A	B	B	A	B	A	A	A	A	A	B	A	B	A	B	A	A
Bn-A10-p7913022	A10	15	10.4	A	A	A	B	A	B	B	A	B	A	A	A	A	A	B	A	B	A	B	A	A
Bn-A10-p8443505	A10	16	11.2	A	A	A	B	A	B	B	A	B	A	A	A	A	A	B	A	B	A	B	A	A
Bn-A10-p8723171	A10	17	12	A	A	A	B	A	B	B	A	B	A	A	A	A	A	B	A	B	A	B	A	A
Bn-A10-p8904827	A10	18	13.6	A	A	A	B	A	B	B	A	B	A	B	A	A	A	B	A	B	A	B	A	A
Bn-A10-p9166440	A10	19	14.4	A	A	A	B	A	B	B	A	B	A	B	A	A	A	B	A	B	A	B	A	A
Bn-A10-p9245966	A10	20	15.2	A	A	A	B	A	B	B	A	B	A	B	A	A	A	B	A	B	A	B	A	A
Bn-A10-p9370046	A10	21	16	A	A	A	B	A	B	B	A	B	A	B	A	A	A	B	A	B	A	B	A	A
Bn-A10-p9561249	A10	22	17.6	A	A	A	B	A	B	B	A	B	A	B	A	A	A	B	A	B	A	B	A	A
Bn-A10-p9594548	A10	23	18.4	A	A	A	B	A	B	B	A	B	A	B	A	A	A	B	A	B	A	B	A	A
Bn-A10-p9868333	A10	24	19.2	A	A	A	B	A	B	B	A	B	A	B	A	A	A	B	A	B	A	B	A	A
Bn-scaff_17088_1-p353765	A10	25	20.8	A	A	A	B	A	B	B	A	B	A	B	A	A	A	B	A	B	A	B	A	A
Bn-A10-p10464159	A10	26	21.6	A	A	A	B	A	B	B	A	B	A	B	A	A	A	B	A	B	A	B	B	B
Bn-A10-p10647252	A10	27	26.5	B	A	A	B	A	B	B	A	B	A	B	A	A	A	B	B	A	B	A	B	B
Bn-A10-p10914713	A10	28	27.3	B	A	A	B	A	B	B	A	B	A	B	A	A	A	B	B	A	B	A	B	B
Bn-A10-p11105998	A10	29	28.1	B	A	A	B	A	B	B	A	B	A	B	B	A	A	B	B	A	B	A	B	B
Bn-A10-p11230418	A10	30	29.7	B	A	A	B	A	B	B	A	B	A	B	B	A	A	B	B	A	B	A	B	B
Bn-A10-p11396195	A10	31	30.5	B	A	A	B	A	B	B	A	B	A	B	B	A	A	B	B	A	B	A	B	B
Bn-A10-p11427179	A10	32	32.1	B	A	A	B	A	B	B	A	B	A	B	B	A	A	B	B	A	B	A	B	B
Bn-scaff_17028_1-p444459	A10	33	32.9	B	A	A	B	A	B	B	A	B	A	B	B	A	A	B	B	A	B	A	B	B
Bn-A10-p12857310	A10	34	34.5	B	A	A	B	A	B	B	A	B	A	B	B	A	A	B	B	A	B	A	B	B
Bn-A10-p12933288	A10	35	35.3	B	A	A	B	A	B	B	A	B	A	B	B	A	A	B	B	A	B	A	B	B
Bn-A10-p13130002	A10	36	36.1	B	A	A	B	A	B	B	A	B	A	B	B	A	A	B	B	A	B	A	B	B
Bn-A10-p13218309	A10	37	36.9	B	A	A	B	A	B	B	A	B	A	B	B	A	A	B	B	A	B	A	B	B
Bn-A10-p13299250	A10	38	37.7	B	A	A	B	A	B	B	A	B	A	B	B	A	A	B	B	A	B	A	B	B
Bn-A10-p13343454	A10	39	38.5	B	A	A	B	A	B	B	A	B	A	B	B	A	A	B	B	A	B	A	B	B
Bn-A10-p13446086	A10	40	39.3	B	A	A	B	A	B	B	A	B	A	B	B	A	A	B	B	A	B	A	B	B
Bn-A10-p13640346	A10	41	40.1	B	A	A	B	A	B	B	A	B	A	B	B	A	A	B	B	A	B	A	B	B
Bn-A10-p13677412	A10	42	41.7	B	A	A	B	A	B	B	A	B	A	B	B	A	A	B	B	A	B	A	B	B
Bn-A10-p13818569	A10	43	42.5	B	A	A	B	A	B	B	A	B	A	B	B	A	A	B	B	A	B	A	B	B
Bn-A10-p14254487	A10	44	43.3	B	A	A	B	A	B	B	A	B	A	B	B	A	A	B	B	A	B	A	B	B
Bn-A10-p14623802	A10	45	44.9	B	A	A	B	A	B	B	A	A	A	B	B	A	A	B	B	A	B	A	B	B
Bn-A10-p15156277	A10	46	45.8	B	A	A	B	A	B	B	A	A	A	B	B	A	A	B	B	A	B	A	B	B

Bn-A10-p16421672	A10	47	46.7	B	A	A	B	A	B	B	A	A	A	B	B	A	A	B	B	A	B	A	B	B
Bn-A10-p16336708	A10	48	51.8	B	A	A	B	A	B	B	B	A	A	B	B	A	A	B	B	A	B	A	B	B
Bn-A10-p16224024	A10	49	52.7	B	A	A	B	A	A	B	B	A	A	B	B	A	A	B	B	A	B	A	B	B
Bn-A10-p16087066	A10	50	53.6	B	A	A	B	A	A	B	B	A	A	B	B	A	A	B	B	A	B	A	B	B
Bn-A10-p15863143	A10	51	54.5	B	A	A	B	A	A	B	B	A	A	B	B	A	A	B	B	A	B	A	B	B
Bn-A10-p15793623	A10	52	56.2	B	A	A	B	A	A	B	B	A	A	B	B	A	A	B	B	A	B	A	B	B
Bn-A10-p15607468	A10	53	57.1	B	A	B	B	A	A	B	B	A	A	B	B	A	A	B	B	A	B	A	B	B
Bn-A10-p15507350	A10	54	58	B	A	B	B	A	A	B	B	A	A	B	B	A	A	B	A	A	B	A	B	B
Bn-A10-p15398137	A10	55	58.9	B	A	B	B	A	A	B	B	A	A	B	B	A	A	B	A	A	B	A	B	B
Bn-A10-p15387894	A10	56	59.8	B	A	B	B	A	A	B	B	A	A	B	B	A	A	B	A	A	B	A	B	B
Bn-A10-p15367240	A10	57	60.7	B	A	B	B	A	A	B	B	A	A	B	B	A	A	B	A	A	B	A	B	B
Bn-A10-p15330596	A10	58	61.6	B	A	B	B	A	A	B	B	A	A	B	B	A	A	B	A	A	B	A	B	B
Bn-A10-p15265102	A10	59	62.5	B	A	B	B	A	A	B	B	A	A	B	B	A	A	B	A	A	B	A	B	B
Bn-A10-p16620627	A10	60	63.4	B	A	B	B	A	A	B	B	A	A	B	B	A	A	B	A	A	B	A	B	B
Bn-A10-p16862809	A10	61	64.2	B	A	B	B	A	A	B	B	A	A	B	B	A	A	B	A	A	B	A	B	B
Bn-A10-p16935603	A10	62	73.2	B	A	B	B	A	A	B	B	A	A	B	B	A	A	B	A	A	B	A	B	B
Bn-A10-p17568393	A10	63	75.6	B	A	B	B	A	A	B	B	A	A	B	B	A	A	B	A	B	B	A	B	B
Bn-scaff_19244_1-p196631	C1	1	0	B	A	B	A	A	B	A	B	B	A	A	B	A	0	A	B	A	A	A	B	A
Bn-scaff_19244_1-p816342	C1	2	4.3	B	A	B	A	A	B	A	B	B	A	A	B	A	0	B	B	A	A	A	B	A
Bn-A01-p907721	C1	3	8.6	B	A	B	A	A	B	A	B	B	B	A	B	A	0	B	B	A	A	A	B	A
Bn-scaff_15838_1-p1190349	C1	4	10.3	B	A	B	A	A	B	A	B	B	B	A	B	A	0	B	B	A	A	A	B	A
Bn-scaff_15838_1-p1572850	C1	5	14	B	A	B	A	A	B	A	B	B	B	A	B	A	0	B	B	A	A	A	B	A
Bn-scaff_15838_1-p2035980	C1	6	19.6	B	A	B	A	A	B	A	B	B	B	A	B	A	A	B	B	A	A	B	B	A
Bn-scaff_15838_5-p151738	C1	7	21.3	B	A	B	A	B	B	A	B	B	B	A	B	A	A	B	B	A	A	B	B	A
Bn-scaff_15838_5-p1043118	C1	8	25.6	B	A	B	A	B	B	A	B	B	B	A	B	A	A	B	B	A	A	B	B	A
Bn-scaff_27215_1-p1538	C1	9	27.6	B	A	B	A	B	B	A	B	B	B	A	B	A	A	B	B	A	A	B	A	A
Bn-scaff_17731_1-p979512	C1	10	28.6	B	A	B	A	B	B	A	B	B	B	A	B	A	A	B	B	A	A	B	A	A
Bn-scaff_17827_1-p613418	C1	11	29.6	B	A	B	A	B	B	A	B	B	B	A	B	A	A	B	B	A	A	B	A	A
Bn-scaff_17827_1-p621976	C1	12	30.6	B	A	B	A	B	B	A	B	B	B	A	B	A	A	B	B	A	A	B	A	A
Bn-scaff_20210_1-p267408	C1	13	32.1	B	A	B	A	B	B	A	B	B	B	A	B	A	A	B	B	A	A	B	A	A
Bn-scaff_16128_2-p29287	C1	14	33.6	B	A	B	A	B	B	A	B	B	B	A	B	A	A	B	B	A	A	B	A	A
Bn-scaff_24869_1-p152736	C1	15	34.6	B	A	B	A	B	B	A	B	B	B	A	B	A	A	B	B	A	A	B	A	A
Bn-scaff_17592_1-p799061	C1	16	35.6	B	A	B	A	B	B	A	B	B	B	A	B	A	A	B	B	A	A	B	A	A
Bn-scaff_17369_1-p1112630	C1	17	36.6	B	A	B	A	B	B	A	B	B	B	A	B	A	A	B	B	A	A	B	A	A
Bn-scaff_17369_1-p992249	C1	18	37.6	B	A	B	A	B	B	A	B	B	B	A	B	A	A	B	B	A	A	B	A	A
Bn-scaff_17369_1-p843089	C1	19	39.6	B	A	B	A	B	B	A	B	B	B	A	B	A	A	B	B	A	A	B	A	A
Bn-scaff_17369_1-p625180	C1	20	40.6	B	A	B	A	B	B	A	B	B	B	A	B	A	A	B	B	A	A	B	A	A
Bn-scaff_17369_1-p271166	C1	21	41.6	B	A	B	A	B	B	A	B	B	B	A	B	A	A	B	B	A	A	B	A	A
Bn-scaff_17369_1-p32803	C1	22	43.6	B	A	B	A	B	B	A	B	B	B	A	B	A	A	B	B	A	A	A	A	A
Bn-scaff_19614_1-p325704	C1	23	46.6	B	A	B	A	B	B	A	B	B	B	A	B	A	A	B	B	A	A	A	A	A
Bn-scaff_19614_1-p53484	C1	24	48.6	B	A	B	A	A	B	A	B	B	B	A	B	A	A	B	B	A	A	A	A	A
Bn-scaff_15747_1-p104038	C1	25	49.6	B	A	B	A	A	B	A	B	B	B	A	B	A	A	B	B	A	A	A	A	A
Bn-scaff_15747_1-p167954	C1	26	50.5	B	A	B	A	A	B	A	B	B	B	A	B	A	A	B	B	A	A	A	A	A
Bn-scaff_15747_1-p400964	C1	27	52.4	B	A	B	A	A	B	A	B	B	B	A	B	A	A	B	B	A	A	A	A	A
Bn-scaff_22790_1-p793365	C1	28	54.3	B	A	B	A	A	B	A	B	B	B	A	B	A	A	B	B	A	A	A	A	A
Bn-scaff_19183_1-p423384	C1	29	54.3	B	A	B	A	A	B	A	B	B	B	A	B	A	A	B	B	A	A	A	A	A
Bn-scaff_25373_1-p399	C1	30	54.3	B	A	B	A	A	B	A	B	B	B	A	B	A	A	B	B	A	A	A	A	A
Bn-scaff_16929_1-p719482	C1	31	55.2	B	A	B	A	A	B	A	B	B	B	A	B	A	A	B	B	A	A	A	A	A
Bn-scaff_21163_1-p1838	C1	32	56.1	B	A	B	A	A	B	A	B	B	B	A	B	A	A	B	B	A	A	A	A	A

Bn-scaff_15879_1-p29379	C1	33	57	B	A	B	A	A	B	A	0	B	B	A	B	A	A	B	B	A	A	A	A	A
Bn-scaff_27823_1-p6273	C1	34	57.9	B	A	B	A	A	B	A	0	B	B	A	B	A	A	B	B	A	A	A	A	A
Bn-scaff_21225_1-p74961	C1	35	59.7	B	A	B	A	A	B	A	0	B	B	A	B	A	A	B	B	A	A	A	A	A
Bn-scaff_18482_1-p816502	C1	36	60.6	B	A	B	A	A	B	A	0	A	B	A	B	A	A	B	B	A	A	A	A	A
Bn-scaff_16962_1-p655721	C1	37	61.5	B	A	B	A	A	B	A	0	A	B	A	B	A	A	B	B	A	A	B	A	A
Bn-scaff_17515_1-p557620	C1	38	62.4	B	A	B	A	A	B	A	0	A	B	A	B	A	A	B	B	A	A	B	A	A
Bn-scaff_19168_1-p9620	C1	39	63.3	B	A	B	A	A	B	A	0	A	B	A	B	A	A	B	B	A	A	B	A	A
Bn-scaff_21884_1-p182027	C1	40	64.2	B	A	B	A	A	B	A	0	A	B	A	B	A	A	B	B	A	A	B	A	A
Bn-scaff_21884_1-p638903	C1	41	65.1	B	A	B	A	A	B	A	0	A	B	A	B	A	A	B	B	A	A	B	A	A
Bn-scaff_16691_1-p1434829	C1	42	67.7	B	A	A	A	A	B	A	0	A	B	A	B	A	A	B	B	A	A	B	A	A
Bn-scaff_15712_3-p804205	C1	43	68.6	B	A	A	A	A	B	A	0	A	A	A	B	A	A	B	B	A	A	B	A	A
Bn-scaff_15712_3-p653523	C1	44	69.5	B	A	A	A	A	B	A	0	A	A	A	B	A	A	B	B	A	A	B	A	A
Bn-scaff_15712_3-p639489	C1	45	70.4	B	A	A	A	A	B	A	0	A	A	A	B	A	A	B	B	A	A	B	A	A
Bn-scaff_15712_3-p46743	C1	46	71.3	B	A	A	A	A	B	A	0	A	A	A	B	A	A	B	B	A	A	B	A	A
Bn-scaff_18321_1-p122698	C2	1	0	A	B	A	A	A	B	A	A	0	A	A	B	B	A	A	B	A	A	A	A	A
Bn-scaff_22970_1-p386682	C2	2	1.7	A	B	A	A	A	B	A	A	0	A	A	B	B	A	A	B	A	A	A	A	A
Bn-A02-p1344870	C2	3	2.5	A	B	A	A	A	B	A	A	0	A	A	B	B	A	A	B	A	A	A	A	A
Bn-scaff_15714_1-p2704024	C2	4	6.7	A	A	A	A	A	B	A	A	0	A	A	B	B	A	A	B	A	A	A	A	A
Bn-scaff_15714_1-p2481342	C2	5	7.5	A	A	A	A	A	B	A	A	0	A	A	B	B	A	A	B	A	A	A	A	A
Bn-scaff_15714_1-p1966757	C2	6	9.6	A	A	A	A	A	B	A	A	0	A	A	B	B	A	A	B	A	A	A	A	A
Bn-scaff_15714_1-p1892918	C2	7	11.7	A	A	A	A	A	B	A	A	0	A	A	B	B	A	A	B	A	A	A	A	A
Bn-A02-p3507057	C2	8	13.4	A	A	A	A	A	B	A	A	0	A	A	A	B	A	A	B	A	A	A	A	A
Bn-scaff_15714_1-p966029	C2	9	14.2	A	A	A	A	A	A	A	A	0	A	A	A	B	A	A	B	A	A	A	A	A
Bn-scaff_15714_1-p553705	C2	10	15	A	A	A	A	A	A	A	A	B	A	A	A	B	A	A	B	A	A	A	A	A
Bn-scaff_15714_1-p368278	C2	11	15.8	A	A	A	A	A	A	A	A	B	A	A	A	B	A	A	B	A	A	A	A	A
Bn-scaff_15714_1-p134903	C2	12	18.3	A	A	A	A	A	A	A	A	B	A	A	A	B	A	A	B	A	A	A	A	A
Bn-scaff_17522_1-p1483337	C2	13	19.1	A	A	A	A	A	A	A	A	B	A	A	A	A	A	A	B	A	A	A	A	A
Bn-scaff_15712_5-p445598	C2	14	20.8	A	A	A	A	A	A	A	A	B	A	A	A	A	A	A	B	A	A	A	A	A
Bn-scaff_20942_1-p262998	C2	15	22.5	A	A	A	A	A	A	A	A	B	A	A	A	A	A	A	B	A	A	A	A	A
Bn-scaff_23813_1-p531505	C2	16	23.3	A	A	A	A	A	A	A	A	B	A	A	A	A	A	A	A	A	A	A	A	A
Bn-scaff_15839_1-p183517	C2	17	24.1	A	A	A	A	A	A	A	A	B	A	A	A	A	A	A	A	A	A	A	A	A
Bn-scaff_18702_1-p201508	C2	18	24.9	A	A	A	A	A	A	A	A	B	A	A	A	A	A	A	A	A	A	A	A	A
Bn-scaff_16369_1-p90302	C2	19	25.7	A	A	A	A	A	A	A	A	B	A	A	A	A	A	A	A	A	A	A	A	A
Bn-scaff_18675_1-p549332	C2	20	29	A	A	A	A	A	A	A	A	B	A	A	A	A	A	A	A	A	A	A	A	A
Bn-scaff_16300_1-p625676	C2	21	29.8	A	A	A	A	A	A	A	A	B	A	A	A	A	A	A	A	A	A	A	A	A
Bn-scaff_21705_1-p216607	C2	22	29.8	A	A	A	A	A	A	A	A	B	A	A	A	A	A	A	A	A	A	A	A	A
Bn-scaff_18360_1-p4195	C2	23	30.6	A	A	A	A	A	A	A	A	B	A	A	A	A	A	A	A	A	A	A	A	A
Bn-scaff_15712_9-p552692	C2	24	33.1	A	A	A	A	A	A	A	A	B	A	A	A	A	A	A	B	A	A	A	A	A
Bn-scaff_26712_1-p24644	C2	25	33.9	A	A	A	A	A	A	A	A	B	A	A	A	A	A	A	B	A	A	A	A	A
Bn-scaff_17109_1-p1058256	C2	26	35.5	A	A	A	A	A	A	A	A	B	A	A	A	A	A	A	B	A	A	A	A	A
Bn-scaff_17109_1-p889768	C2	27	37.1	A	A	A	A	A	A	A	A	B	A	A	B	A	A	A	B	A	A	A	A	A
Bn-scaff_17109_1-p857649	C2	28	37.9	A	A	A	A	A	A	A	A	B	A	A	B	A	A	A	B	A	A	A	B	A
Bn-scaff_17109_1-p691842	C2	29	38.7	A	A	A	A	A	A	A	A	B	A	A	B	A	A	A	B	A	A	A	B	A
Bn-scaff_15712_12-p5921	C2	30	39.5	A	A	A	A	A	A	A	A	B	A	A	B	A	A	A	B	A	A	A	B	A
Bn-scaff_15918_1-p82985	C2	31	41.1	A	A	A	A	A	A	A	A	B	A	A	B	A	A	A	B	A	A	A	B	A
Bn-scaff_27946_1-p1047	C2	32	42.7	A	A	A	A	A	A	A	A	B	A	A	B	A	A	A	B	A	A	A	B	A
Bn-scaff_17623_1-p599063	C2	33	45.2	A	A	A	A	A	A	A	A	B	A	A	B	A	A	A	B	A	A	A	B	A
Bn-scaff_17623_1-p546659	C2	34	50.2	A	A	A	A	A	A	A	A	B	B	A	B	A	A	A	B	A	A	A	B	A
Bn-scaff_19740_1-p236040	C2	35	51	A	A	A	A	B	A	A	A	B	B	A	B	A	A	A	B	A	A	A	B	A

Bn-A03-p15417676	C3	38	67.6	B	B	B	B	A	B	B	B	B	B	B	B	A	B	B	B	B	B	B	A	A		
Bn-scaff_17521_1-p511223	C3	39	68.4	B	B	B	B	A	B	B	B	B	B	B	B	A	B	B	B	B	B	B	B	A	A	
Bn-scaff_17521_1-p193675	C3	40	70	B	B	B	B	A	B	B	B	B	B	B	B	A	B	B	B	B	B	B	B	A	A	
Bn-scaff_28562_1-p11758	C3	41	70.8	B	B	B	B	A	B	B	B	B	B	B	B	A	B	B	B	B	B	B	B	A	A	
Bn-scaff_17298_1-p138775	C3	42	71.6	B	B	B	B	A	B	B	B	B	B	B	B	A	B	B	B	A	B	B	A	A	A	
Bn-scaff_17298_1-p627166	C3	43	72.4	B	B	B	B	A	B	B	B	B	B	B	B	A	B	B	B	A	B	B	A	A	A	
Bn-scaff_17298_1-p679830	C3	44	73.2	B	B	B	B	A	B	B	B	B	B	B	B	A	B	B	B	A	B	B	A	A	A	
Bn-scaff_17298_1-p1055071	C3	45	75.6	B	B	B	B	A	B	B	B	B	B	B	B	A	B	B	B	A	B	B	A	A	A	
Bn-scaff_17298_1-p1302996	C3	46	77.2	B	B	B	B	A	B	B	B	B	B	B	B	A	B	B	B	A	B	B	A	A	A	
Bn-scaff_17298_1-p1412259	C3	47	78	B	B	B	B	A	B	B	B	B	B	B	B	A	B	B	B	A	B	B	A	A	A	
Bn-scaff_23350_1-p643281	C3	48	78.8	B	B	B	B	A	B	B	B	B	B	B	B	A	B	B	B	A	B	B	A	A	A	
Bn-scaff_17395_1-p191984	C3	49	79.6	B	B	B	B	A	B	B	B	B	B	B	B	A	B	B	B	A	B	B	A	A	A	
Bn-scaff_18917_1-p865354	C3	50	81.2	B	B	B	B	A	B	B	B	B	B	B	B	A	B	B	B	A	B	B	A	A	A	
Bn-scaff_18917_1-p744355	C3	51	82	B	B	B	B	A	B	B	B	B	B	B	B	A	B	B	B	A	B	B	A	A	A	
Bn-scaff_18917_1-p689464	C3	52	82.8	B	B	B	B	A	B	B	B	B	B	B	B	A	A	B	B	A	B	B	A	A	A	
Bn-scaff_18917_1-p667205	C3	53	84.4	B	B	B	B	A	B	B	B	B	B	B	B	A	A	B	B	A	B	B	A	A	A	
Bn-scaff_18917_1-p514534	C3	54	85.2	B	B	B	B	B	B	B	B	B	B	B	B	A	A	B	B	A	B	B	A	A	A	
Bn-scaff_16130_2-p484981	C3	55	86	B	B	B	B	B	B	B	B	B	B	B	B	A	A	B	B	A	B	B	A	A	A	
Bn-scaff_17044_1-p545336	C3	56	86.8	B	B	B	B	B	B	B	B	B	B	B	B	A	A	B	B	A	B	B	A	A	A	
Bn-scaff_15747_2-p127306	C3	57	89.2	B	B	B	B	B	B	B	B	B	B	B	B	A	A	B	B	A	B	B	A	A	A	
Bn-scaff_18356_1-p349741	C3	58	92.4	B	B	B	B	B	B	B	B	B	B	B	B	A	B	B	A	B	B	A	A	A	A	
Bn-scaff_18356_1-p43628	C3	59	93.2	B	B	B	B	B	B	B	B	B	B	B	B	A	B	B	A	B	B	A	A	A	A	
Bn-scaff_18855_1-p179141	C3	60	94.8	B	B	B	B	B	B	B	B	B	B	B	B	A	B	B	A	B	B	A	A	A	A	
Bn-scaff_21867_1-p87764	C3	61	95.6	B	B	B	B	B	B	B	B	B	B	B	B	A	B	B	A	B	B	A	A	A	A	
Bn-scaff_23407_1-p87145	C3	62	96.4	B	B	B	B	B	B	B	B	B	B	B	B	A	B	B	A	B	B	A	A	A	A	
Bn-scaff_20790_1-p3436	C3	63	98	B	B	B	B	B	B	B	B	B	B	B	B	A	B	B	A	B	B	A	A	A	A	
Bn-scaff_18849_1-p191163	C3	64	102	B	B	B	B	B	B	B	B	B	B	B	B	A	B	B	A	B	B	A	A	A	A	
Bn-scaff_18849_1-p22568	C3	65	103.6	B	B	B	B	B	B	B	B	B	B	B	B	A	B	B	A	B	B	B	B	B	A	A
Bn-scaff_17440_1-p590665	C3	66	104.4	B	B	B	B	B	B	B	B	B	B	B	B	A	B	B	A	B	B	B	B	B	A	A
Bn-scaff_17440_1-p316581	C3	67	105.2	B	B	B	B	B	B	B	B	B	B	B	B	A	B	B	A	B	B	B	B	B	A	A
Bn-scaff_24726_1-p16408	C3	68	106	B	B	B	B	B	B	B	B	B	B	B	B	A	B	B	A	B	B	B	B	B	A	A
Bn-scaff_24631_1-p184986	C3	69	106.8	B	B	B	B	B	B	B	B	B	B	B	B	A	B	B	A	B	B	B	B	B	A	A
Bn-scaff_24631_1-p271540	C3	70	108.4	B	B	B	B	B	B	B	B	B	B	B	B	A	B	B	A	B	B	B	B	B	A	A
Bn-scaff_24631_1-p338156	C3	71	109.2	B	B	B	B	B	B	B	B	B	B	B	B	A	B	B	A	B	B	B	B	B	A	A
Bn-scaff_24631_1-p785809	C3	72	110.8	B	B	B	B	B	B	B	B	B	B	B	B	A	B	B	A	B	B	B	B	B	A	A
Bn-scaff_16394_2-p1498560	C3	73	111.6	B	B	B	B	B	B	B	B	B	B	B	B	A	B	B	A	B	A	B	B	B	A	A
Bn-scaff_16394_2-p1377231	C3	74	112.4	B	B	B	B	B	B	B	B	B	B	B	B	A	B	B	A	B	A	B	B	B	A	A
Bn-scaff_16394_2-p992866	C3	75	113.2	B	B	B	B	B	B	A	B	B	B	A	B	B	A	B	A	B	A	B	B	B	A	A
Bn-scaff_16394_2-p471655	C3	76	117.2	A	B	B	B	B	B	A	B	B	B	A	B	B	A	A	A	B	B	B	B	A	A	A
Bn-scaff_16394_2-p348198	C3	77	118	A	B	B	B	B	B	A	B	B	B	A	B	B	A	A	A	B	B	B	B	A	A	A
Bn-scaff_16394_2-p71424	C3	78	118.8	A	B	B	B	B	B	A	B	B	B	A	B	B	A	A	A	B	B	B	B	A	A	A
Bn-scaff_18602_1-p46083	C3	79	119.6	A	B	B	B	B	B	A	B	B	B	A	B	B	A	A	A	B	B	B	B	A	A	A
Bn-scaff_18602_1-p89074	C3	80	120.4	A	B	B	B	B	B	A	B	B	B	A	B	B	A	A	A	B	B	B	B	A	A	A
Bn-scaff_16182_1-p632134	C3	81	121.2	A	B	B	B	B	B	A	B	B	B	A	B	B	A	A	A	B	B	B	B	A	A	A
Bn-scaff_26846_1-p26261	C3	82	122	A	B	B	B	B	B	A	B	B	B	A	B	B	A	A	A	B	B	B	B	A	A	A
Bn-scaff_17042_1-p147112	C3	83	122.8	A	B	B	B	B	B	A	B	B	B	A	B	B	A	A	A	B	B	B	B	A	A	A
Bn-scaff_17042_1-p418599	C3	84	123.6	A	B	B	B	B	B	A	B	B	B	A	B	B	A	A	A	B	B	B	B	A	A	A
Bn-scaff_17042_1-p468781	C3	85	124.4	A	B	B	B	B	B	A	B	B	B	A	B	B	A	A	A	B	B	B	B	A	A	A
Bn-scaff_17457_1-p283145	C3	86	127.6	A	B	B	B	B	B	A	B	B	B	A	B	B	A	A	A	B	B	B	B	A	A	A

Bn-scaff_15794_3-p508122	C3	87	129.2	A	B	B	B	B	A	B	B	B	A	B	B	B	A	B	B	B	A	A	A	B	B	B	B	A	
Bn-scaff_15794_3-p146368	C3	88	130	A	B	B	B	B	B	A	B	B	B	A	B	B	B	A	B	B	B	A	A	A	B	B	B	B	A
Bn-scaff_15794_1-p157188	C3	89	130.8	A	B	B	B	B	B	A	B	B	B	A	B	B	B	A	B	B	B	A	A	A	B	B	B	B	A
Bn-scaff_17821_1-p30801	C3	90	134.8	A	B	B	B	B	B	A	B	B	B	A	B	B	B	A	B	B	B	A	A	A	B	B	B	B	A
Bn-scaff_17119_1-p183714	C3	91	136.4	A	B	B	B	B	B	A	B	B	B	A	B	B	B	A	B	B	B	A	A	A	B	B	B	B	A
Bn-scaff_23761_1-p27239	C3	92	137.2	A	B	B	B	B	B	A	B	B	B	A	B	B	B	A	B	B	B	A	A	A	B	B	B	B	A
Bn-scaff_19047_1-p297198	C3	93	140.4	A	B	B	B	B	B	A	B	B	B	A	B	B	B	A	B	B	B	A	A	A	A	B	B	B	A
Bn-scaff_16148_1-p237592	C3	94	141.2	A	B	B	B	B	B	A	B	B	B	A	B	B	B	A	B	B	B	A	A	A	A	B	B	B	A
Bn-scaff_16148_1-p63709	C3	95	142	A	B	B	B	B	B	A	B	B	B	A	B	B	B	A	B	B	B	A	A	A	A	B	B	B	A
Bn-scaff_16755_1-p1364355	C3	96	142.8	A	B	B	B	B	B	A	B	B	B	A	B	B	B	A	B	B	B	A	A	A	A	B	B	B	A
Bn-scaff_16755_1-p934260	C3	97	144.4	A	B	B	B	B	B	A	B	B	B	A	B	B	B	A	B	B	B	A	A	A	A	B	B	B	A
Bn-scaff_16755_1-p878005	C3	98	146	A	B	B	B	B	B	A	A	B	B	A	B	B	B	A	B	B	B	A	A	A	A	B	B	B	A
Bn-scaff_16755_1-p12541	C3	99	146.8	A	B	B	B	B	B	A	A	B	B	A	B	B	B	A	B	B	B	A	A	A	A	B	B	B	A
Bn-scaff_22933_1-p110027	C4	1	0	B	A	B	B	B	A	0	B	B	B	A	A	A	B	B	A	B	B	A	B	B	A	B	B	A	A
Bn-scaff_23534_1-p39080	C4	2	1.7	B	A	B	B	B	A	0	B	B	B	A	A	A	B	B	A	B	B	A	B	B	A	B	B	A	A
Bn-scaff_17712_1-p78048	C4	3	2.5	B	A	B	B	B	A	0	B	B	B	A	A	A	B	B	A	B	B	A	B	B	A	B	B	A	A
Bn-scaff_16935_1-p102075	C4	4	3.3	B	A	B	B	B	A	0	B	B	B	A	A	A	B	B	A	B	B	A	B	B	A	B	B	A	A
Bn-scaff_23946_1-p35627	C4	5	7.5	A	A	B	B	B	A	0	B	B	B	A	A	A	B	A	A	B	B	A	B	B	A	B	B	A	A
Bn-scaff_16027_1-p181998	C4	6	9.5	A	A	B	B	B	A	0	B	B	B	A	A	A	B	A	A	B	B	A	B	B	A	B	B	A	A
Bn-scaff_16027_1-p319312	C4	7	10.5	A	A	B	B	B	A	0	B	B	B	A	A	A	B	A	A	B	B	A	B	B	A	B	B	A	A
Bn-scaff_17517_1-p128364	C4	8	12.5	A	A	B	B	B	A	B	B	B	B	B	A	A	B	A	A	B	B	A	B	B	A	B	B	A	A
Bn-scaff_16027_1-p585183	C4	9	15.8	A	A	B	B	B	A	B	B	B	B	B	B	A	B	A	A	B	B	A	B	B	A	B	B	A	A
Bn-scaff_27469_1-p101056	C4	10	17.4	A	A	B	B	B	A	B	B	B	B	B	B	A	B	A	A	B	B	A	B	B	A	B	B	A	A
Bn-scaff_28382_1-p28399	C4	11	25.6	A	B	B	B	B	A	B	B	B	B	B	B	B	B	A	A	B	B	A	B	B	A	B	B	A	B
Bn-scaff_16214_1-p172721	C4	12	26.4	A	B	B	B	B	A	B	B	B	B	B	B	B	B	A	A	B	B	A	B	B	A	B	B	A	B
Bn-scaff_16534_1-p134210	C4	13	27.2	A	B	B	B	B	A	B	B	B	B	B	B	B	B	A	A	B	B	A	B	B	A	B	B	A	B
Bn-scaff_16534_1-p278496	C4	14	28	A	B	B	B	B	A	B	B	B	B	B	B	B	B	A	A	B	B	A	B	B	A	B	B	A	B
Bn-scaff_16534_1-p399693	C4	15	28.8	A	B	B	B	B	A	B	B	B	B	B	B	B	B	A	A	B	B	A	B	B	A	B	B	A	B
Bn-scaff_28277_1-p5229	C4	16	29.6	A	B	B	B	B	A	B	B	B	B	B	B	B	B	A	A	B	B	A	B	B	A	B	B	A	B
Bn-scaff_16534_1-p707801	C4	17	30.4	A	B	B	B	B	A	B	B	B	A	B	B	B	B	A	A	B	B	A	B	B	A	B	B	A	B
Bn-scaff_16534_1-p807124	C4	18	31.2	A	B	B	B	B	A	B	B	B	A	B	B	B	B	A	A	B	B	A	B	B	A	B	B	A	B
Bn-scaff_16534_1-p1262658	C4	19	32	A	B	B	B	B	A	B	B	B	A	B	B	B	B	A	A	B	B	A	B	B	A	B	B	A	B
Bn-scaff_16534_1-p1357851	C4	20	32.8	A	B	A	B	B	A	B	B	B	A	B	B	B	B	A	A	B	B	A	B	B	A	B	B	A	B
Bn-scaff_16534_1-p1846740	C4	21	33.6	A	B	A	B	B	A	B	B	B	A	B	B	B	B	A	A	B	B	A	B	B	A	B	B	A	B
Bn-scaff_16534_1-p2435936	C4	22	34.4	A	B	A	B	B	A	B	B	B	A	B	B	B	B	A	A	B	B	A	B	B	A	B	B	A	B
Bn-scaff_15908_1-p755460	C4	23	35.2	A	B	A	B	B	A	B	B	B	A	B	B	B	B	A	A	B	B	A	B	B	A	B	B	A	B
Bn-scaff_15908_1-p886007	C4	24	36	A	B	A	B	B	A	B	B	B	A	B	B	B	B	A	A	B	B	A	B	B	A	B	B	A	B
Bn-A05-p4304172	C4	25	37.6	A	B	A	B	B	A	B	B	B	A	B	B	B	B	A	A	B	B	A	B	B	A	B	B	A	B
Bn-scaff_19248_1-p187769	C4	26	39.2	A	B	A	B	B	A	B	B	B	A	B	B	B	B	A	A	B	B	A	B	B	A	B	B	A	B
Bn-scaff_18440_1-p77767	C4	27	40	A	B	A	B	B	A	B	B	B	A	B	B	B	B	A	A	B	B	A	B	B	A	B	B	A	B
Bn-scaff_23907_1-p542442	C4	28	44	A	B	A	B	B	A	B	B	B	A	B	B	B	B	A	A	B	B	A	B	B	A	B	B	A	B
Bn-scaff_23907_1-p647895	C4	29	44.8	A	B	A	B	B	A	B	B	B	A	B	B	B	B	A	A	B	B	A	B	B	A	B	B	A	B
Bn-scaff_23907_1-p746005	C4	30	45.6	A	B	A	B	B	A	B	B	B	A	B	B	B	B	A	A	B	B	A	B	B	A	B	B	A	B
Bn-scaff_23907_1-p931535	C4	31	46.4	A	B	A	B	B	A	B	B	B	A	B	B	B	B	A	A	B	B	A	B	B	A	B	B	A	B
Bn-scaff_16447_1-p403240	C4	32	48	A	B	A	B	B	A	B	B	B	A	B	B	B	B	A	A	B	B	A	B	B	A	B	B	A	B
Bn-scaff_17869_1-p814323	C4	33	48.8	A	B	A	B	B	A	B	B	B	A	B	A	B	B	A	A	B	B	A	B	B	A	B	B	A	B
Bn-scaff_18754_1-p233662	C4	34	51.2	A	B	A	B	A	A	B	B	B	A	B	A	B	B	A	A	B	B	A	B	B	A	B	B	A	B
Bn-scaff_23699_1-p435151	C4	35	52.8	A	B	A	B	A	A	B	B	B	A	B	A	B	B	A	A	B	B	A	B	B	A	B	B	A	B
Bn-scaff_18712_1-p326442	C4	36	54.4	A	B	A	B	A	A	B	B	B	A	B	A	B	B	A	A	B	B	A	B	B	A	B	B	A	B

Bn-scaff_19253_1-p93586	C4	37	55.2	A	B	A	B	A	A	A	B	B	A	B	A	B	B	A	A	B	B	A	B	B
Bn-scaff_15911_1-p376603	C4	38	56	A	B	A	B	A	A	A	B	B	A	B	A	B	B	A	A	B	B	A	B	B
Bn-scaff_24602_1-p69684	C4	39	62.5	A	B	A	B	A	A	A	B	B	A	B	A	A	B	A	B	B	B	A	B	B
Bn-scaff_19551_1-p24484	C4	40	63.3	A	B	A	B	B	A	A	B	B	A	B	A	A	B	A	B	B	B	A	B	B
Bn-scaff_19170_1-p559165	C4	41	64.9	A	B	A	B	B	A	A	B	B	A	B	A	A	B	A	B	B	B	A	B	B
Bn-scaff_15779_1-p41353	C4	42	68.1	A	B	A	B	B	A	A	B	B	A	B	A	A	B	A	B	B	B	B	B	B
Bn-scaff_15779_1-p318634	C4	43	68.9	A	B	A	B	B	A	A	B	B	A	B	A	A	B	A	B	B	B	B	B	B
Bn-scaff_26139_1-p333824	C4	44	69.7	A	B	A	B	B	A	A	B	B	A	B	A	A	B	A	B	B	B	B	B	B
Bn-scaff_16876_1-p1180531	C4	45	72.1	A	B	A	B	B	A	A	B	B	A	B	A	A	B	A	B	B	B	B	B	B
Bn-scaff_16876_1-p1116894	C4	46	72.9	A	B	A	B	B	A	A	B	B	A	B	A	A	B	A	B	B	B	B	B	B
Bn-scaff_22668_1-p95	C4	47	73.7	A	B	A	B	B	A	A	B	B	A	B	A	A	B	A	B	B	B	B	B	A
Bn-scaff_17525_1-p117065	C4	48	76.1	A	B	A	B	B	A	B	B	B	A	B	A	A	B	A	A	B	B	B	B	A
Bn-scaff_19208_1-p233040	C4	49	76.9	A	B	A	B	B	A	B	B	B	A	B	A	A	B	A	A	B	B	B	B	A
Bn-scaff_25960_1-p104315	C4	50	78.5	A	B	A	B	B	A	A	B	B	A	B	A	A	B	A	A	B	B	B	B	A
Bn-scaff_15852_1-p532467	C4	51	80.9	A	B	A	B	B	A	B	B	B	A	B	A	A	B	A	A	B	B	B	B	A
Bn-scaff_15852_1-p263989	C4	52	83.3	A	B	A	B	B	A	B	B	B	A	A	A	A	B	A	A	B	B	B	A	A
Bn-scaff_15852_1-p135814	C4	53	84.1	A	B	A	B	B	A	B	B	B	A	A	A	A	B	A	A	B	B	B	A	A
Bn-scaff_24979_1-p162534	C4	54	88.1	B	B	A	B	B	A	B	B	B	A	A	A	A	B	B	A	B	B	B	A	A
Bn-scaff_20079_1-p623803	C4	55	89.7	B	B	A	B	B	A	B	B	B	A	A	A	A	B	B	A	B	B	B	A	A
Bn-scaff_20079_1-p496441	C4	56	90.5	B	B	A	B	B	A	B	B	B	A	A	A	A	B	B	A	B	B	B	A	A
Bn-A04-p12917949	C4	57	93.7	B	B	A	A	B	A	B	B	B	A	A	A	A	B	B	A	B	A	B	A	A
Bn-scaff_16804_3-p29132	C4	58	94.5	B	B	A	A	B	A	B	B	B	A	A	A	A	B	B	A	B	A	B	A	A
Bn-scaff_16804_2-p210553	C4	59	97.7	B	B	A	A	B	A	B	B	B	A	A	A	A	B	B	A	B	A	B	A	A
Bn-scaff_21186_1-p220377	C4	60	100.1	B	B	A	A	B	A	B	B	B	A	A	A	A	B	B	A	B	A	B	A	A
Bn-scaff_17319_1-p4691	C4	61	100.9	B	B	A	A	B	A	B	B	B	A	A	B	A	B	B	A	B	A	B	A	A
Bn-A04-p15287200	C4	62	101.7	B	B	A	A	B	A	B	B	B	A	A	B	A	B	B	A	B	A	B	A	A
Bn-scaff_15585_1-p1029921	C4	63	102.5	B	B	A	A	B	A	B	B	B	A	A	B	A	B	B	A	B	A	B	A	A
Bn-scaff_20804_1-p111983	C4	64	103.3	B	B	A	A	B	A	B	B	B	A	A	B	A	B	B	A	B	A	B	A	A
Bn-scaff_20804_1-p33693	C4	65	104.1	B	B	A	A	B	A	B	B	B	A	A	B	A	B	B	A	B	A	B	A	A
Bn-scaff_16888_1-p104880	C4	66	104.9	B	B	A	A	B	A	B	B	B	A	A	B	A	B	B	A	B	A	B	A	A
Bn-scaff_16888_1-p894418	C4	67	109.8	B	B	A	A	B	A	B	B	B	A	A	B	A	B	B	A	B	A	B	A	A
Bn-scaff_16888_1-p1419612	C4	68	112.2	B	B	A	A	B	B	B	B	B	A	A	B	A	B	B	A	B	A	B	A	A
Bn-scaff_16888_1-p1803454	C4	69	116.2	B	B	A	A	B	B	B	B	B	A	A	B	A	B	B	A	B	A	B	A	A
Bn-scaff_20270_1-p39619	C4	70	117.8	B	B	A	A	B	B	B	B	B	A	A	B	A	B	B	A	B	A	B	A	A
Bn-scaff_20270_1-p167746	C4	71	118.6	B	B	A	A	B	B	B	B	B	A	A	B	B	B	B	A	B	A	B	A	A
Bn-A04-p17475728	C4	72	120.2	B	B	A	A	B	B	B	B	B	A	A	B	B	B	B	B	A	B	A	A	A
Bn-scaff_20270_1-p781490	C4	73	122.6	B	B	A	A	B	B	B	B	B	A	A	B	B	B	B	B	B	A	B	A	A
Bn-scaff_18903_1-p350780	C4	74	131.6	B	B	A	A	B	B	B	B	B	B	A	B	B	B	B	B	B	A	B	A	A
Bn-scaff_18903_1-p556922	C4	75	132.4	B	B	A	A	B	B	B	B	B	B	A	B	B	B	B	B	B	A	B	A	A
Bn-scaff_18903_1-p643244	C4	76	133.2	B	B	B	A	B	B	B	B	B	B	A	B	B	B	B	B	B	A	B	A	A
Bn-scaff_18903_1-p998892	C4	77	134.8	B	B	B	A	B	B	B	B	B	B	A	B	B	B	B	B	B	A	B	A	A
Bn-scaff_27676_1-p110403	C4	78	135.6	B	B	B	A	B	B	B	B	B	B	A	B	B	B	B	B	B	A	B	A	A
Bn-scaff_23107_1-p48188	C5	1	0	B	A	A	A	A	B	B	A	A	A	B	B	A	A	B	A	A	A	A	A	B
Bn-scaff_16414_1-p958895	C5	2	0.8	B	A	A	A	A	B	B	A	A	A	B	B	A	A	B	A	A	A	A	A	B
Bn-scaff_16414_1-p777277	C5	3	2.4	B	A	A	A	A	B	B	A	A	A	B	B	A	A	B	A	A	A	A	A	B
Bn-scaff_16414_1-p651187	C5	4	3.2	B	A	A	A	A	B	B	A	A	A	B	B	A	A	B	A	A	A	A	A	B
Bn-scaff_16414_1-p541587	C5	5	5.6	B	A	A	A	A	B	B	A	A	A	B	B	A	A	B	A	A	A	A	A	B
Bn-scaff_16414_1-p309830	C5	6	10.8	B	A	A	A	A	B	B	A	A	A	B	B	A	A	B	A	A	A	A	A	B
Bn-scaff_16414_1-p98361	C5	7	17.8	B	A	A	A	A	B	B	A	A	A	B	B	A	A	B	A	A	A	A	A	A

Bn-scaff_20901_1-p2160101	C5	8	18.6	B	A	A	A	B	B	A	A	A	B	B	A	A	B	A	A	A	A	A	A
Bn-scaff_20901_1-p2078439	C5	9	20.2	B	A	A	A	A	B	B	A	A	A	B	B	A	A	B	A	A	A	A	A
Bn-scaff_20901_1-p2040223	C5	10	21.8	B	A	A	A	A	B	B	A	A	B	B	B	A	A	B	A	A	A	A	A
Bn-scaff_20901_1-p2029631	C5	11	22.6	B	A	A	A	A	B	B	A	A	B	B	B	A	A	B	A	A	A	A	A
Bn-scaff_20901_1-p1760597	C5	12	23.4	B	A	A	A	A	B	B	A	A	B	B	B	A	A	B	A	A	A	A	A
Bn-scaff_20901_1-p1681305	C5	13	24.2	B	A	A	A	A	B	B	A	A	B	B	B	A	A	B	A	A	A	A	A
Bn-scaff_20901_1-p1537914	C5	14	29.1	B	A	A	A	A	B	A	A	A	B	B	B	A	A	B	A	A	A	A	A
Bn-scaff_20901_1-p1311264	C5	15	33.1	B	A	A	A	A	B	A	A	A	B	B	B	A	A	B	A	A	A	A	A
Bn-scaff_20901_1-p1310135	C5	16	33.9	B	A	A	A	A	A	A	A	A	B	B	B	A	A	B	A	A	A	A	A
Bn-scaff_20901_1-p1300905	C5	17	34.7	B	A	A	A	A	A	A	A	A	B	B	B	A	A	B	A	A	A	A	A
Bn-scaff_20901_1-p1247459	C5	18	36.3	B	A	A	A	A	A	A	A	A	B	B	B	A	A	B	A	A	A	A	A
Bn-scaff_20901_1-p1103224	C5	19	38.7	B	A	A	A	A	A	A	A	A	B	A	B	A	A	B	A	A	A	A	A
Bn-scaff_20901_1-p948057	C5	20	43.6	B	A	A	A	A	A	A	A	A	B	A	B	A	A	B	A	A	A	A	A
Bn-scaff_20901_1-p660618	C5	21	46	B	A	A	A	A	A	A	A	A	B	A	B	A	A	B	A	A	A	A	A
Bn-A06-p3651473	C5	22	50	A	A	A	A	B	A	A	A	A	B	A	B	A	A	B	A	A	A	A	A
Bn-scaff_20901_1-p595473	C5	23	50.8	A	A	A	A	B	A	A	A	A	B	A	B	A	A	A	A	A	A	A	A
Bn-scaff_19641_1-p188036	C5	24	51.6	A	A	A	A	B	A	A	A	A	B	A	B	A	A	A	A	A	A	A	A
Bn-scaff_21496_1-p440091	C5	25	55.6	A	A	A	A	B	A	A	A	A	B	A	B	A	A	A	A	A	A	A	A
Bn-scaff_15712_10-p520866	C5	26	56.4	A	A	A	A	B	A	A	A	A	B	A	A	A	A	A	A	A	A	A	A
Bn-scaff_18181_1-p957193	C5	27	57.2	A	A	A	A	B	A	A	A	A	B	A	A	A	A	A	A	A	A	A	A
Bn-scaff_18181_1-p626037	C5	28	58	A	A	A	A	B	A	A	A	A	B	A	A	A	A	A	A	A	A	A	A
Bn-scaff_16082_1-p454878	C5	29	58.8	A	A	A	A	B	A	A	A	A	B	A	A	A	A	A	A	A	A	A	A
Bn-scaff_16082_1-p450246	C5	30	59.6	A	A	A	A	B	A	A	A	A	B	A	A	A	A	A	B	A	A	A	A
Bn-scaff_22183_1-p644001	C5	31	60.4	A	A	A	A	B	A	A	A	A	B	A	A	A	A	A	B	A	A	A	A
Bn-scaff_22183_1-p164778	C5	32	62	A	A	A	A	B	A	A	A	A	B	A	A	A	A	A	B	A	A	A	A
Bn-scaff_16093_1-p5778	C5	33	64.4	A	A	A	A	B	A	A	A	A	B	A	A	A	A	A	B	A	A	A	A
Bn-scaff_21338_1-p832818	C5	34	65.2	A	A	A	A	B	A	A	A	A	B	A	A	A	A	A	B	A	A	A	A
Bn-scaff_18338_1-p891133	C5	35	66	A	A	A	A	B	A	A	A	A	B	A	A	A	A	A	B	A	A	A	A
Bn-scaff_18338_1-p322932	C5	36	70	A	A	A	B	B	A	A	A	A	A	A	A	A	A	A	B	A	B	A	A
Bn-scaff_15818_1-p74700	C5	37	70.8	A	A	A	B	B	A	B	A	A	A	A	A	A	A	A	B	A	B	A	A
Bn-scaff_16062_1-p148000	C5	38	71.6	A	A	A	B	B	A	B	A	A	A	A	A	A	A	A	B	A	B	A	A
Bn-scaff_23195_1-p70804	C5	39	74	A	A	A	B	B	A	B	A	A	A	B	A	A	A	A	A	B	A	A	A
Bn-scaff_16478_1-p1065763	C5	40	74.8	A	A	A	B	A	A	B	A	A	A	B	A	A	A	A	A	B	A	A	A
Bn-A05-p16509283	C5	41	75.6	A	A	A	B	A	A	B	A	A	A	B	A	A	A	A	A	B	A	A	A
Bn-scaff_18589_1-p94879	C5	42	76.4	A	A	A	B	A	A	B	A	A	A	B	A	A	A	A	A	B	A	A	A
Bn-scaff_23408_1-p272922	C5	43	77.2	A	A	A	B	A	A	B	A	A	A	B	A	A	A	A	B	A	B	A	A
Bn-scaff_16770_1-p217669	C5	44	78.9	A	A	A	B	A	A	B	A	A	A	B	A	A	A	A	B	A	B	0	A
Bn-scaff_18826_1-p1000612	C5	45	79.7	A	A	A	B	A	A	B	A	A	A	B	A	A	A	A	B	A	B	0	A
Bn-scaff_18826_1-p862439	C5	46	80.5	A	A	A	B	A	A	B	A	A	A	B	A	A	A	A	B	A	B	0	A
Bn-scaff_18826_1-p781314	C5	47	81.4	A	A	A	B	A	B	B	A	A	A	B	A	A	A	A	B	A	B	0	A
Bn-scaff_21369_1-p102870	C5	48	84	A	A	A	B	A	B	B	A	A	A	B	A	A	A	A	B	A	B	0	A
Bn-A05-p21326775	C5	49	85.7	A	A	A	B	A	B	B	A	A	A	B	A	A	A	A	B	A	B	0	A
Bn-scaff_17441_1-p400751	C5	50	90	A	A	A	B	A	B	B	A	A	A	B	A	A	A	A	B	A	B	0	A
Bn-scaff_17441_1-p573618	C5	51	91.7	A	A	A	B	A	B	B	A	A	A	B	A	A	A	A	B	A	B	0	A
Bn-scaff_17441_1-p831019	C5	52	93.4	A	A	A	B	A	B	B	A	A	A	B	A	A	A	A	B	A	B	0	A
Bn-scaff_17441_1-p1045065	C5	53	96	A	A	A	B	A	B	B	A	A	A	B	A	A	A	A	B	A	B	0	A
Bn-scaff_17441_1-p1094625	C5	54	96.9	A	A	A	B	A	B	B	A	A	A	B	A	A	A	A	B	A	B	0	A
Bn-scaff_17441_1-p1146459	C5	55	97.8	A	A	A	B	A	B	B	A	A	A	B	A	A	A	A	B	A	B	B	A
Bn-scaff_17441_3-p154031	C5	56	99.5	A	A	A	B	A	B	B	A	A	A	B	A	A	A	A	B	A	B	B	A

Bn-scaff_17441_3-p325608	C5	57	102	A	A	A	B	A	B	B	A	A	A	B	A	A	A	A	B	A	B	B	A	A
Bn-A05-p23102053	C5	58	106.1	A	A	A	B	A	B	A	A	A	A	A	A	A	A	A	B	A	B	B	A	A
Bn-scaff_23186_1-p102352	C5	59	108.6	A	A	A	B	A	B	A	A	A	A	A	A	A	A	A	B	A	B	B	A	A
Bn-scaff_20270_1-p1070285	C5	60	111.9	A	A	A	A	A	B	A	A	A	A	A	A	A	A	A	B	A	A	B	A	A
Bn-scaff_20376_1-p336606	C5	61	118.6	B	A	A	A	A	B	A	A	A	A	A	A	A	A	B	B	A	A	B	A	A
Bn-Scaffold000191-p47497	C5	62	119.4	B	A	A	A	A	B	A	A	A	A	A	A	A	A	B	B	A	A	B	A	A
Bn-scaff_15676_1-p341508	C5	63	121.9	B	A	A	A	A	B	A	A	A	A	A	A	A	A	B	B	B	A	A	B	A
Bn-scaff_24251_1-p65315	C5	64	123.6	B	A	A	A	A	B	A	A	A	A	A	A	A	A	B	B	B	A	A	B	A
Bn-scaff_15856_1-p129193	C5	65	124.4	B	A	A	A	A	B	A	A	A	A	A	A	A	A	B	B	B	A	A	B	A
Bn-scaff_17799_1-p1180982	C6	1	0	B	A	A	A	A	B	0	A	B	A	A	A	B	A	B	B	0	A	B	A	0
Bn-scaff_17799_1-p1278642	C6	2	1	B	A	A	A	A	B	0	A	B	A	A	A	B	A	B	B	0	A	B	A	0
Bn-scaff_18503_1-p179825	C6	3	2.9	B	A	A	A	A	B	0	A	B	A	A	A	B	A	B	B	0	A	B	A	0
Bn-scaff_17799_1-p1399131	C6	4	7.6	A	A	A	A	A	B	0	A	B	A	A	A	B	A	A	B	0	A	B	A	0
Bn-scaff_17799_1-p1556241	C6	5	9.5	A	A	A	A	A	B	0	A	B	A	A	A	B	A	A	B	0	A	B	A	0
Bn-scaff_17799_1-p1629892	C6	6	10.4	A	A	A	A	A	B	0	A	B	A	A	A	B	A	A	B	0	A	B	A	0
Bn-scaff_17799_1-p1683025	C6	7	12.3	A	A	A	A	A	B	0	A	B	A	A	A	B	A	A	B	0	A	B	A	0
Bn-scaff_17799_1-p2097654	C6	8	13.2	A	A	A	A	A	B	0	A	B	A	A	A	B	A	A	B	0	A	B	A	0
Bn-scaff_17799_1-p2125517	C6	9	14.1	A	A	A	A	A	B	0	A	B	A	A	A	B	A	A	B	0	A	B	A	0
Bn-scaff_17799_1-p2357844	C6	10	15	A	A	A	A	A	B	0	A	B	A	A	A	B	A	A	B	0	A	B	A	0
Bn-scaff_17799_1-p2497023	C6	11	15.9	A	A	A	A	A	A	0	A	B	A	A	A	B	A	A	B	0	A	B	A	0
Bn-scaff_25466_1-p74820	C6	12	18.4	A	A	A	A	A	A	A	B	A	A	A	B	A	A	B	A	A	B	A	A	A
Bn-scaff_16397_1-p636872	C6	13	20.4	A	A	A	A	A	A	A	B	A	A	A	B	A	A	B	A	A	B	A	A	A
Bn-scaff_23957_1-p432810	C6	14	21.3	A	A	A	A	A	A	A	B	A	A	A	B	A	A	B	A	A	B	A	A	A
Bn-scaff_23957_1-p247460	C6	15	22.2	A	A	A	A	A	A	A	B	A	A	A	B	A	A	B	A	A	B	A	A	A
Bn-scaff_18807_1-p529596	C6	16	23.1	A	A	A	A	A	A	A	B	A	A	A	B	A	A	B	A	A	B	A	A	A
Bn-scaff_18807_1-p678687	C6	17	23.1	A	A	A	A	A	A	A	B	A	A	A	B	A	A	B	A	A	B	A	A	A
Bn-scaff_23821_1-p22581	C6	18	23.1	A	A	A	A	A	A	A	B	A	A	A	B	A	A	B	A	A	B	A	A	A
Bn-scaff_17436_1-p260772	C6	19	23.1	A	A	A	A	A	A	A	B	A	A	A	B	A	A	B	A	A	B	A	A	A
Bn-scaff_15892_1-p610800	C6	20	24.8	A	A	A	A	A	A	A	B	A	A	A	B	A	A	B	A	A	B	A	A	A
Bn-scaff_16064_1-p9281	C6	21	25.6	A	A	A	A	A	A	A	B	A	A	A	B	A	A	B	A	A	B	A	B	A
Bn-scaff_18360_1-p134193	C6	22	26.4	A	A	A	A	A	A	A	B	A	A	A	B	A	A	B	A	A	B	A	B	A
Bn-scaff_16064_1-p380597	C6	23	27.2	A	A	A	A	A	A	A	B	A	A	A	B	A	A	B	A	A	B	A	B	A
Bn-scaff_15818_1-p3172268	C6	24	27.2	A	A	A	A	A	A	A	B	A	A	A	B	A	A	B	A	A	B	A	B	A
Bn-scaff_15818_1-p3032871	C6	25	28	A	A	A	A	A	A	A	B	A	A	A	A	A	A	B	A	A	B	B	A	A
Bn-scaff_15818_1-p2371026	C6	26	28.8	A	A	A	A	A	A	A	B	A	A	A	A	A	A	B	A	A	B	B	A	A
Bn-scaff_15763_1-p1492117	C6	27	29.6	A	A	A	A	A	A	A	B	A	A	A	A	A	A	B	A	A	B	B	A	A
Bn-scaff_15763_1-p233149	C6	28	30.4	A	A	A	A	A	A	A	B	A	A	A	A	A	A	B	A	A	B	B	A	A
Bn-scaff_18206_3-p934892	C6	29	31.2	A	A	A	A	A	A	A	B	A	A	A	A	A	A	B	A	A	B	B	A	A
Bn-scaff_15818_2-p1212586	C6	30	32	A	A	A	A	A	A	A	B	A	A	A	A	A	A	B	A	A	A	B	A	A
Bn-scaff_15818_1-p479061	C6	31	32.8	A	A	A	A	A	A	A	B	A	A	A	A	A	A	B	A	A	A	B	A	A
Bn-scaff_18439_1-p304224	C6	32	33.6	A	A	A	A	A	A	A	B	A	A	A	A	A	A	B	A	A	A	B	A	A
Bn-scaff_17984_1-p1076812	C6	33	34.4	A	A	A	A	A	A	A	B	A	A	A	A	A	A	B	A	A	A	B	A	A
Bn-scaff_20773_1-p481244	C6	34	35.2	A	A	A	A	A	A	A	B	A	A	A	A	A	A	B	A	A	A	B	A	A
Bn-scaff_18344_1-p341615	C6	35	36	A	A	A	A	A	A	A	B	A	A	A	A	A	A	A	A	A	A	B	A	A
Bn-scaff_16485_1-p630261	C6	36	36.8	A	A	A	A	A	A	A	B	A	A	A	A	A	A	A	A	A	A	B	A	A
Bn-scaff_16485_1-p587862	C6	37	38.5	A	A	A	A	A	A	A	B	A	A	A	A	A	A	A	A	A	A	B	A	A
Bn-scaff_16984_1-p145108	C6	38	39.3	A	A	A	A	A	A	A	B	A	A	A	A	A	A	A	A	A	A	B	A	A
Bn-A06-p2405022	C6	39	41.8	A	B	A	A	A	A	A	B	A	A	A	A	A	A	A	A	A	A	B	A	A
Bn-scaff_16670_1-p40390	C6	40	42.6	A	B	A	A	A	A	A	B	A	A	A	A	A	A	A	A	A	A	B	A	A

Bn-scaff_24413_1-p361	C7	1	0	A	B	A	A	A	B	B	A	B	A	A	A	A	A	B	A	A	A	A
Bn-A07-p160648	C7	2	0.8	A	B	A	A	A	B	B	A	B	A	A	A	A	A	B	A	A	A	A
Bn-scaff_15762_1-p258234	C7	3	2.4	A	B	A	A	A	B	B	A	B	A	A	A	A	A	B	A	A	A	A
Bn-scaff_17084_1-p161742	C7	4	4	A	B	A	A	A	B	B	A	B	A	A	A	A	A	B	A	A	A	A
Bn-scaff_20288_1-p344108	C7	5	4.8	A	B	A	A	A	B	B	A	B	A	A	A	A	A	B	A	A	A	A
Bn-scaff_16721_1-p1032661	C7	6	5.6	A	B	A	A	A	B	B	A	B	A	A	A	A	B	B	A	A	A	A
Bn-scaff_15626_1-p1084223	C7	7	6.4	A	B	A	A	A	B	B	A	B	A	A	A	A	B	B	A	A	A	A
Bn-scaff_17326_1-p357798	C7	8	7.2	A	B	A	A	A	A	B	A	B	A	A	A	A	B	B	A	A	A	A
Bn-A07-p6906296	C7	9	8	A	B	A	A	A	A	B	A	B	A	A	A	A	B	B	A	A	A	A
Bn-scaff_16450_1-p15270	C7	10	9.6	A	B	B	A	A	A	B	A	B	A	A	A	A	B	B	A	A	A	A
Bn-scaff_19106_1-p605386	C7	11	12.8	A	B	B	B	A	A	A	B	A	B	A	A	A	A	B	B	B	A	A
Bn-scaff_23400_1-p613560	C7	12	13.6	A	B	B	B	A	A	A	B	A	B	A	A	A	A	B	B	B	A	A
Bn-scaff_23400_1-p399811	C7	13	14.4	A	B	B	B	A	A	A	B	A	B	A	A	A	A	B	B	B	A	A
Bn-scaff_16100_1-p617160	C7	14	15.2	A	B	B	B	A	A	A	B	A	B	A	A	A	A	B	B	B	A	A
Bn-scaff_16100_1-p890064	C7	15	16	A	B	B	B	A	A	A	B	A	B	A	A	A	A	B	B	B	A	A
Bn-scaff_18501_1-p470034	C7	16	16.8	A	B	B	B	A	A	A	B	A	B	A	A	A	A	B	B	B	B	A
Bn-scaff_18202_1-p1683343	C7	17	20	A	B	B	B	A	A	A	B	B	B	A	A	A	A	B	B	B	B	A
Bn-scaff_18202_1-p1615492	C7	18	20.8	A	B	B	B	A	A	A	B	B	B	A	A	A	A	B	B	B	B	A
Bn-scaff_18202_1-p1088668	C7	19	24.8	A	B	B	B	A	A	A	B	B	B	A	A	A	A	B	B	B	B	A
Bn-scaff_18202_1-p986219	C7	20	25.6	A	B	B	B	A	A	A	B	B	B	A	A	A	A	B	B	B	B	A
Bn-scaff_18202_1-p871410	C7	21	26.4	A	B	B	B	A	A	A	B	B	B	A	A	A	A	B	B	B	B	A
Bn-scaff_18202_1-p569134	C7	22	28	A	B	B	B	A	A	A	B	B	B	A	A	A	A	B	B	B	B	A
Bn-scaff_22821_1-p13976	C7	23	28.8	A	B	B	B	A	A	A	B	B	B	A	A	A	A	B	B	B	B	A
Bn-scaff_15712_1-p841920	C7	24	29.6	A	B	B	B	A	A	A	B	B	B	A	A	A	A	B	B	B	B	A
Bn-scaff_15754_1-p240103	C7	25	30.4	A	B	B	B	A	A	A	B	B	B	A	A	A	A	B	B	B	B	A
Bn-scaff_15754_1-p651840	C7	26	32.8	A	B	B	B	A	A	A	B	B	B	A	A	A	A	B	B	B	B	A
Bn-scaff_15754_1-p688470	C7	27	33.6	A	B	B	B	A	A	A	B	B	B	A	A	A	A	B	B	B	B	A
Bn-scaff_16130_1-p542753	C7	28	34.4	A	B	B	B	A	A	A	B	B	B	A	A	A	A	B	B	B	B	A
Bn-scaff_16130_1-p659049	C7	29	35.2	A	B	B	B	A	A	A	B	B	B	A	A	A	A	B	B	B	B	A
Bn-scaff_16130_1-p1091410	C7	30	36	A	B	B	B	A	A	A	B	B	B	A	A	A	A	B	B	B	B	A
Bn-scaff_16130_1-p2525629	C7	31	36.8	A	B	B	B	A	A	A	B	B	B	A	A	A	A	B	B	B	B	A
Bn-scaff_16514_1-p47789	C7	32	40.8	A	B	B	A	A	A	A	B	B	B	A	A	A	A	B	B	A	B	A
Bn-scaff_17972_1-p279228	C7	33	42.4	A	B	B	A	A	A	A	A	B	B	A	A	A	A	B	B	A	B	A
Bn-scaff_21711_1-p54607	C7	34	43.2	A	B	B	A	A	A	A	A	B	B	A	A	A	A	B	B	A	B	A
Bn-scaff_21711_1-p39478	C7	35	45.6	A	B	B	A	A	A	A	A	B	B	A	A	A	A	B	B	A	B	A
Bn-scaff_21711_1-p34999	C7	36	46.4	A	B	B	A	A	A	A	A	B	B	A	A	A	A	B	B	A	B	A
Bn-scaff_18520_1-p486331	C7	37	47.2	A	B	B	A	A	A	A	A	B	B	A	A	A	A	B	B	A	B	A
Bn-scaff_18520_1-p603560	C7	38	48	A	B	B	A	A	A	A	A	B	A	A	A	A	A	B	B	A	B	A
Bn-scaff_18520_1-p814291	C7	39	48.8	A	B	B	A	A	A	A	A	B	A	A	B	A	A	B	B	A	B	A
Bn-scaff_15705_1-p38968	C7	40	49.6	A	B	B	A	A	A	A	A	B	A	A	B	B	A	A	B	B	A	A
Bn-scaff_15705_1-p432224	C7	41	50.4	A	B	B	A	A	A	A	A	B	A	A	B	B	A	A	B	B	A	A
Bn-scaff_15705_1-p577327	C7	42	51.2	A	B	B	A	A	A	A	A	B	A	A	B	B	A	A	B	B	A	A
Bn-scaff_15705_1-p1214955	C7	43	52	A	B	B	A	A	A	B	A	B	A	A	B	B	A	A	B	B	A	A
Bn-scaff_15705_1-p1533707	C7	44	52.8	A	B	B	A	A	A	B	A	B	A	A	B	B	A	A	B	B	A	A
Bn-scaff_15705_1-p2248267	C7	45	54.4	A	B	B	A	A	A	B	A	B	A	A	B	B	A	A	B	B	A	A
Bn-scaff_15705_1-p2274493	C7	46	56.8	A	B	B	A	A	A	B	A	B	A	B	B	B	A	A	B	B	A	A
Bn-scaff_15705_3-p131881	C7	47	58.4	A	B	B	A	A	A	B	A	B	A	B	B	B	A	A	B	B	A	A
Bn-scaff_15705_3-p245960	C7	48	59.2	A	B	B	A	A	A	B	A	B	A	B	B	B	A	A	B	B	A	A
Bn-scaff_15705_3-p436841	C7	49	60	A	B	B	A	A	A	B	A	B	A	B	B	B	A	A	B	B	A	A

Bn-scaff_16069_1-p261409	C7	50	60.8	A	B	B	A	A	A	B	A	B	A	B	B	B	A	A	B	B	A	B	A	A		
Bn-scaff_16069_1-p726389	C7	51	61.6	A	B	B	A	A	A	B	A	B	A	B	B	B	A	A	B	B	A	B	A	A		
Bn-scaff_16069_1-p730213	C7	52	62.4	A	B	B	A	A	A	B	A	B	A	B	B	B	A	A	B	B	A	B	A	A		
Bn-scaff_16231_1-p1398728	C7	53	63.2	A	B	B	A	A	A	B	A	B	A	B	B	B	A	A	B	B	A	B	A	A		
Bn-scaff_16069_1-p2205590	C7	54	66.4	A	B	B	A	A	A	B	A	B	A	B	B	B	A	A	B	B	A	B	A	A		
Bn-scaff_16069_1-p2222349	C7	55	67.2	A	B	B	A	A	A	B	A	B	A	B	B	B	A	A	B	B	A	B	A	A		
Bn-scaff_16069_1-p2344701	C7	56	68	A	B	B	A	A	A	B	A	B	A	B	B	B	A	A	B	B	A	B	A	A		
Bn-scaff_16069_1-p2946061	C7	57	69.6	A	B	B	A	A	A	B	A	B	A	B	B	B	A	A	B	B	A	B	A	A		
Bn-scaff_16069_1-p3135269	C7	58	71.2	A	B	B	A	A	A	B	B	B	A	B	B	B	A	A	B	B	A	B	A	A		
Bn-scaff_16069_1-p3232221	C7	59	72	A	B	B	A	A	A	B	B	B	A	B	B	B	A	A	B	B	A	B	A	A		
Bn-scaff_16069_1-p3446432	C7	60	72.8	A	B	B	A	A	A	B	B	B	A	B	B	B	A	A	B	A	B	A	A	A		
Bn-scaff_16069_1-p3454723	C7	61	73.6	A	B	B	A	A	A	B	B	B	A	B	B	B	A	A	A	B	A	B	A	A		
Bn-scaff_16069_1-p3861034	C7	62	76	A	B	B	A	A	A	B	B	B	A	B	B	B	A	A	A	B	A	B	A	A		
Bn-scaff_16069_1-p3945232	C7	63	76.8	A	B	B	A	A	A	B	B	B	A	B	B	B	A	A	A	B	A	B	A	A		
Bn-scaff_16069_1-p4306874	C7	64	77.6	A	B	B	A	A	A	B	B	B	A	B	B	B	A	A	A	B	A	B	A	A		
Bn-scaff_16069_1-p4546846	C7	65	82.5	A	B	B	B	A	A	B	B	B	A	B	B	B	A	A	A	B	B	B	A	A		
Bn-scaff_16069_1-p4605280	C7	66	84.1	A	B	B	B	A	A	B	B	B	A	B	B	B	A	A	A	B	B	B	A	A		
Bn-scaff_16069_1-p4609643	C7	67	84.9	A	B	B	B	A	A	B	B	B	B	B	B	B	A	A	A	B	B	B	A	A		
Bn-scaff_16110_1-p3075478	C7	68	86.5	A	B	A	B	A	A	B	B	B	B	B	B	B	A	A	A	B	B	B	A	A		
Bn-scaff_16110_1-p2950205	C7	69	87.3	A	B	A	B	A	A	B	B	B	B	B	B	B	A	A	A	B	B	B	A	A		
Bn-scaff_16110_1-p2890287	C7	70	88.1	A	B	A	B	A	A	B	B	B	B	B	B	B	A	A	A	B	B	B	A	A		
Bn-scaff_16110_1-p2655836	C7	71	91.3	A	B	A	B	A	A	B	B	B	B	B	B	B	A	A	A	B	B	B	A	A		
Bn-scaff_16110_1-p2598394	C7	72	92.1	A	B	A	B	A	A	B	B	B	B	B	B	B	A	A	A	B	B	B	A	A		
Bn-scaff_16110_1-p2576509	C7	73	92.9	A	B	A	B	A	A	B	B	B	B	B	B	B	A	A	A	B	B	B	A	A		
Bn-scaff_16110_1-p2168404	C7	74	92.9	A	B	A	B	A	A	B	B	B	B	B	B	B	A	A	A	B	B	B	A	A		
Bn-scaff_16110_1-p2030050	C7	75	94.5	A	B	A	B	A	A	A	B	B	B	B	B	B	A	A	A	B	B	B	A	A		
Bn-scaff_16110_1-p1971697	C7	76	95.3	A	B	A	B	A	A	A	B	B	B	B	B	B	A	A	A	B	B	B	A	A		
Bn-A03-p29053385	C7	77	96.1	A	B	A	B	A	A	A	B	B	B	B	B	B	A	A	A	B	B	B	A	A		
Bn-scaff_16110_1-p1689916	C7	78	96.9	A	B	A	B	A	A	A	B	B	B	B	B	B	A	A	A	A	B	B	B	A	A	
Bn-scaff_16110_1-p1451801	C7	79	97.7	A	B	A	B	A	A	A	B	B	B	B	B	B	A	A	A	A	B	B	B	A	A	
Bn-scaff_16110_1-p1204999	C7	80	98.5	A	B	A	B	A	A	A	B	B	B	B	B	B	A	B	A	A	B	B	B	A	A	
Bn-scaff_16110_1-p670992	C7	81	100.9	A	B	A	B	A	A	A	B	B	B	B	B	B	A	B	A	A	B	B	B	A	A	
Bn-scaff_16110_1-p111601	C7	82	101.7	A	B	A	B	A	A	A	B	B	A	B	B	A	B	A	A	B	B	B	A	A		
Bn-scaff_20796_1-p34573	C8	1	0	B	B	A	B	A	B	A	A	A	A	B	A	A	A	B	A	A	B	A	A	A	A	
Bn-scaff_25981_1-p240709	C8	2	1.6	B	B	A	B	A	B	A	A	A	A	B	A	A	A	B	A	A	B	A	A	A	A	
Bn-A01-p10059043	C8	3	2.4	B	B	B	B	A	B	A	A	A	A	B	A	A	A	B	A	A	B	A	A	A	A	
Bn-scaff_15705_1-p2909077	C8	4	3	B	B	B	B	A	B	A	A	A	A	B	A	A	A	B	A	A	B	A	A	A	A	
Bn-scaff_17591_1-p461524	C8	5	4	B	B	B	B	A	B	A	A	A	A	B	A	A	A	B	A	A	B	A	A	A	A	
Bn-scaff_19104_1-p662624	C8	6	5	B	B	B	B	A	B	A	A	A	A	B	A	A	A	B	A	A	B	A	A	A	A	
Bn-scaff_15699_1-p1234178	C8	7	6	B	B	B	B	A	B	A	A	A	A	B	A	A	A	B	A	A	B	A	A	A	A	
Bn-scaff_19242_1-p421335	C8	8	7	B	B	B	B	B	B	A	A	A	A	B	A	A	A	B	A	A	B	B	A	A	A	
Bn-scaff_26859_1-p8813	C8	9	9	B	B	B	B	B	B	A	A	A	A	B	A	A	A	B	B	B	B	A	A	A	A	
Bn-scaff_17227_1-p299956	C8	10	10	B	B	B	B	B	B	A	A	A	A	B	A	A	A	B	A	A	B	B	B	A	A	A
Bn-scaff_17227_1-p700248	C8	11	11	B	B	B	B	B	B	A	A	A	A	B	A	A	A	B	A	A	B	B	B	A	A	A
Bn-scaff_17227_1-p1380795	C8	12	15	B	B	B	B	B	B	A	A	A	A	B	A	A	A	B	A	A	B	B	B	A	A	A
Bn-scaff_21786_1-p127359	C8	13	16	B	B	B	B	B	B	A	A	A	A	B	A	A	A	B	A	A	B	B	B	A	A	A
Bn-scaff_21786_1-p149338	C8	14	18	B	B	B	B	B	B	A	A	A	A	B	A	A	A	B	A	A	B	B	B	A	A	A
Bn-scaff_16231_1-p2213239	C8	15	20	B	B	B	B	B	B	A	A	A	A	B	A	A	A	B	A	A	B	B	B	A	A	A
Bn-scaff_16231_1-p1274962	C8	16	25	B	A	B	B	B	B	A	A	A	A	B	A	A	A	B	A	A	B	B	B	A	A	A

Bn-scaff_17190_1-p1119408	C9	12	28.5	A	B	B	B	B	A	A	B	B	B	B	A	B	B	A	B	B	B	B	B	A
Bn-scaff_17297_1-p143112	C9	13	29.3	A	B	B	B	B	A	A	B	B	B	B	A	B	B	A	B	B	B	B	B	A
Bn-scaff_17423_1-p376558	C9	14	30.1	A	B	B	B	B	A	A	B	B	B	B	A	B	B	A	B	B	B	B	B	A
Bn-scaff_17084_1-p760594	C9	15	31.7	A	B	B	B	B	A	A	B	B	B	B	A	B	B	A	B	B	B	B	B	A
Bn-scaff_17487_1-p1888000	C9	16	37.4	A	A	B	B	B	A	A	B	B	B	B	A	B	B	A	B	B	B	B	B	A
Bn-scaff_20428_1-p256051	C9	17	39	A	A	B	B	B	A	A	B	B	B	B	A	B	B	A	B	B	B	B	B	A
Bn-scaff_17683_1-p28746	C9	18	39.8	A	A	B	B	A	A	A	B	B	B	B	A	B	B	A	B	B	B	B	B	A
Bn-scaff_28725_1-p72570	C9	19	40.6	A	A	B	B	A	A	A	B	B	B	B	A	B	B	A	B	B	B	B	B	A
Bn-scaff_23618_1-p120152	C9	20	41	A	A	B	B	A	A	A	B	B	B	B	A	B	B	A	B	B	B	B	B	A
Bn-scaff_16912_1-p13193	C9	21	43	A	A	B	B	A	A	A	B	B	B	B	A	B	B	A	B	B	B	B	B	A
Bn-scaff_17174_1-p88911	C9	22	44	A	A	B	B	A	A	A	B	B	B	B	A	B	B	A	B	B	B	B	B	A
Bn-scaff_18100_1-p541042	C9	23	45	A	A	B	B	A	A	A	B	B	B	B	A	B	B	A	B	B	B	B	B	A
Bn-scaff_17888_1-p378622	C9	24	46	A	A	B	B	A	A	A	B	B	B	B	A	B	B	A	B	B	B	B	B	A
Bn-scaff_19691_1-p105535	C9	25	49	A	A	B	B	A	A	A	B	B	B	B	A	B	B	A	B	B	B	B	B	A
Bn-scaff_20972_1-p163951	C9	26	50	A	A	B	B	A	A	A	B	B	B	B	A	B	B	A	B	A	B	B	B	A
Bn-scaff_15712_7-p58147	C9	27	56	B	A	B	B	A	A	A	B	B	B	B	A	B	B	B	B	A	B	B	B	A
Bn-scaff_15743_1-p26884	C9	28	57	B	A	B	B	A	A	A	B	B	B	B	A	B	B	B	B	A	B	B	B	A
Bn-scaff_23622_1-p3989	C9	29	58	B	A	B	B	A	A	A	B	B	B	B	A	B	B	B	B	A	B	B	B	A
Bn-scaff_15881_1-p139441	C9	30	59	B	A	B	B	A	A	A	B	B	B	B	A	B	B	B	B	A	B	B	B	A
Bn-scaff_17799_1-p3029724	C9	31	60	B	A	B	B	A	A	A	B	B	B	B	A	B	B	B	B	A	B	B	B	A
Bn-scaff_17088_1-p146561	C9	32	63	B	A	B	A	A	A	A	B	B	B	B	A	B	B	B	B	A	A	B	B	A
Bn-scaff_19899_1-p559187	C9	33	64	B	A	B	A	A	A	A	B	B	B	B	A	B	A	B	B	A	A	B	B	A
Bn-scaff_19899_1-p283181	C9	34	68	B	A	B	A	A	A	A	B	B	B	B	A	B	A	B	B	A	A	B	B	A
Bn-scaff_19899_1-p34734	C9	35	69	B	A	B	A	A	A	A	B	B	B	B	A	B	A	B	B	A	A	B	B	A
Bn-scaff_15576_1-p614226	C9	36	70	B	A	B	A	A	A	A	B	B	B	B	A	B	A	B	B	A	A	B	B	A
Bn-C13791383-p286	C9	37	71	B	A	B	A	A	A	A	B	B	B	B	A	B	A	B	B	A	A	B	B	A
Bn-scaff_27705_1-p129876	C9	38	72	B	A	B	A	A	A	A	B	B	B	B	A	B	A	B	B	A	A	B	B	A
Bn-scaff_17028_1-p9587	C9	39	73	B	A	B	A	A	A	A	B	B	B	B	A	B	A	B	B	A	A	B	B	A
Bn-scaff_17028_1-p396877	C9	40	76	B	A	B	A	A	A	A	B	B	B	B	A	B	A	B	B	A	A	B	B	A
Bn-A10-p12957851	C9	41	80	B	A	B	A	A	A	A	B	B	B	B	A	B	A	B	B	A	A	B	B	A
Bn-scaff_16362_1-p655565	C9	42	81	B	A	B	A	A	A	A	B	B	B	B	A	B	A	B	B	A	A	B	B	A
Bn-scaff_16362_1-p408802	C9	43	82	B	A	B	A	A	A	A	B	B	B	B	A	B	A	B	B	A	A	B	B	A
Bn-A02-p3607564	C9	44	85	B	A	B	A	A	A	A	B	B	B	B	A	B	A	B	B	A	A	B	B	A
Bn-scaff_22082_1-p381255	C9	45	86	B	A	A	A	A	A	A	B	B	B	B	A	B	A	B	B	A	A	B	B	A
Bn-scaff_24108_1-p456844	C9	46	86	B	A	A	A	A	A	A	B	B	B	B	A	A	A	B	B	A	A	B	B	A
Bn-scaff_17109_1-p1959932	C9	47	87	B	A	A	A	A	A	A	B	B	B	B	A	A	A	B	B	A	A	B	B	A
Bn-scaff_17109_1-p1861938	C9	48	88	B	A	A	A	A	A	A	B	B	B	B	A	A	A	B	B	A	A	A	A	A
Bn-scaff_17109_2-p370345	C9	49	90	B	A	A	A	A	A	A	B	B	B	B	A	A	A	B	B	A	A	A	A	A
Bn-scaff_17750_1-p2082478	C9	50	90	B	A	A	A	A	A	A	B	B	A	B	A	A	A	B	B	A	A	A	A	A
Bn-scaff_17750_1-p1923167	C9	51	93	B	A	A	A	A	A	A	B	B	A	A	A	A	A	B	B	A	A	A	A	A
Bn-scaff_17750_1-p1801981	C9	52	94	B	A	A	A	A	A	A	B	B	A	A	A	A	A	B	B	A	A	A	A	A
Bn-scaff_17750_1-p1326856	C9	53	95	B	A	A	A	A	A	A	B	B	A	A	A	A	A	B	B	A	A	A	A	A
Bn-scaff_17750_1-p1243511	C9	54	95	B	A	A	A	A	A	A	B	B	A	A	A	A	A	B	B	A	A	A	A	0
Bn-scaff_17750_1-p1166353	C9	55	96	B	A	A	A	A	A	A	B	B	A	A	A	A	A	B	B	A	A	A	A	0
Bn-scaff_17750_1-p969043	C9	56	97	B	A	A	A	A	A	A	B	B	A	A	A	A	A	B	B	A	A	A	A	0
Bn-scaff_17750_1-p779325	C9	57	99	B	A	A	A	A	A	A	B	B	A	A	A	A	A	B	B	A	A	A	A	0
Bn-scaff_28053_1-p12340	C9	58	106	B	A	A	A	A	A	A	B	A	A	A	A	A	A	B	B	A	A	A	A	0

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