

Table S1 - *Acinetobacter baumannii* pangenome

organism	nb_ families	nb_ persistent _families	nb_ shell_ families	nb_ cloud_ families	nb_ exact_ _core	nb_ soft_ core	nb_ genes	nb_ persistent _genes	nb_ shell_ genes	nb_ cloud _genes	nb_ exact_ core_ genes	nb_ soft_ core_ genes	completeness	nb_ single_ copy_ marker s
GCF_000018445.1	3681	2973	543	165	2161	2740	3778	3019	582	177	2187	2778	99.72	2875
GCF_000021245.2	3675	2962	340	373	2161	2747	3825	3014	374	437	2183	2783	99.41	2866
GCF_000069245.1	3665	2963	236	466	2161	2747	3792	3006	290	496	2175	2778	99.38	2865
GCF_000186665.3	3387	2935	187	265	2161	2732	3470	2981	216	273	2179	2763	98.44	2838
GCF_000187205.2	3833	2982	501	350	2161	2747	3953	3031	562	360	2180	2781	100	2883
GCF_000188215.1	3639	2981	508	150	2161	2746	3831	3051	603	177	2182	2780	99.97	2882
GCF_000226275.2	3668	2961	574	133	2161	2745	3787	3010	642	135	2175	2772	99.31	2863
GCF_000302575.1	3560	2913	541	106	2161	2691	3695	2995	590	110	2223	2765	97.78	2819
GCF_000419385.1	3710	2981	572	157	2161	2746	3820	3032	615	173	2180	2774	99.97	2882
GCF_000419405.1	3725	2964	338	423	2161	2744	3846	3016	394	436	2186	2777	99.41	2866
GCF_000419425.1	3680	2962	518	200	2161	2739	3758	2995	552	211	2176	2768	99.62	2872
GCF_000498375.2	3738	2954	523	261	2161	2736	4047	3045	622	380	2195	2792	99.13	2858
GCF_000505685.1	3572	2974	208	390	2161	2745	3622	3007	219	396	2184	2774	99.72	2875
GCF_000695855.3	3661	2976	633	52	2161	2746	3718	3017	647	54	2175	2773	99.83	2878
GCF_000746605.1	3423	2919	183	321	2161	2734	3518	2969	209	340	2189	2775	98.13	2829
GCF_000746645.1	3816	2945	359	512	2161	2743	4282	3033	485	764	2185	2784	98.89	2851
GCF_000761175.1	3541	2930	199	412	2161	2739	3606	2957	221	428	2178	2765	98.79	2848
GCF_000786735.1	3535	2908	274	353	2161	2722	3765	2952	406	407	2182	2758	97.68	2816
GCF_000814345.1	3745	2915	270	560	2161	2730	3820	2947	308	565	2178	2758	97.78	2819
GCF_000828795.1	3632	2936	472	224	2161	2735	3835	3016	590	229	2194	2785	98.54	2841
GCF_000828935.1	3810	2978	296	536	2161	2747	3922	3031	337	554	2178	2774	99.86	2879
GCF_000830055.1	3564	2964	243	357	2161	2747	3656	3010	266	380	2173	2773	99.38	2865

GCF_000939415.2	3739	2978	584	177	2161	2744	4013	3131	703	179	2240	2854	99.86	2879
GCF_000963815.1	3756	2961	348	447	2161	2747	3865	3003	363	499	2173	2773	99.38	2865
GCF_001026965.1	3828	2982	593	253	2161	2747	3988	3031	677	280	2174	2772	100	2883
GCF_001077555.2	3585	2929	186	470	2161	2732	3730	2966	238	526	2174	2760	98.47	2839
GCF_001077655.1	3834	2933	401	500	2161	2734	4005	2991	494	520	2180	2769	98.44	2838
GCF_001077675.1	3665	2927	253	485	2161	2745	3727	2953	284	490	2173	2765	98.3	2834
GCF_001077965.2	3464	2835	132	497	2161	2673	3659	2898	240	521	2195	2729	95.59	2756
GCF_001261895.2	3469	2939	221	309	2161	2736	3598	3003	267	328	2180	2772	98.58	2842
GCF_001399655.1	3783	2946	310	527	2161	2746	3909	2986	358	565	2181	2779	98.86	2850
GCF_001457535.1	3576	2946	190	440	2161	2741	3617	2981	192	444	2181	2770	99.48	2868
GCF_001514375.1	3698	2979	556	163	2161	2747	3943	3069	690	184	2176	2784	99.9	2880
GCF_001517645.1	3585	2946	191	448	2161	2741	3625	2979	194	452	2181	2769	99.48	2868
GCF_001543995.1	3777	2977	627	173	2161	2746	3968	3053	728	187	2181	2785	99.83	2878
GCF_001573065.1	3472	2916	487	69	2161	2693	3600	2948	581	71	2176	2717	97.78	2819
GCF_001573085.1	3573	2957	528	88	2161	2727	3719	2997	611	111	2179	2756	99.24	2861
GCF_001573105.1	3515	2967	473	75	2161	2747	3635	3000	555	80	2176	2774	99.51	2869
GCF_001573125.1	3535	2963	524	48	2161	2739	3634	3005	576	53	2175	2763	99.34	2864
GCF_001578145.1	3766	2964	363	439	2161	2744	3960	3037	450	473	2187	2781	99.41	2866
GCF_001593425.2	3662	2926	253	483	2161	2745	3724	2952	284	488	2173	2765	98.27	2833
GCF_001636235.1	3771	2932	371	468	2161	2720	3924	2982	426	516	2182	2755	98.3	2834
GCF_001668465.2	3455	2970	398	87	2161	2745	3634	3040	487	107	2184	2782	99.58	2871
GCF_001669145.2	3721	2963	484	274	2161	2738	3921	3021	593	307	2186	2774	99.45	2867
GCF_001674475.2	3597	2977	484	136	2161	2745	3789	3034	590	165	2183	2778	99.83	2878
GCF_001721705.1	3364	2966	183	215	2161	2740	3388	2988	184	216	2172	2757	99.51	2869
GCF_001806345.1	3653	2977	607	69	2161	2746	3828	3061	673	94	2195	2804	99.83	2878
GCF_001806365.1	3726	2969	595	162	2161	2744	3890	3039	684	167	2179	2777	99.55	2870
GCF_001806385.1	3674	2977	635	62	2161	2746	3839	3034	716	89	2186	2785	99.83	2878
GCF_001806405.1	3708	2978	588	142	2161	2746	3934	3069	688	177	2203	2803	99.86	2879
GCF_001806425.1	3687	2973	598	116	2161	2742	3895	3090	688	117	2216	2820	99.69	2874
GCF_001806445.1	3686	2973	597	116	2161	2742	3851	3051	681	119	2185	2784	99.69	2874

GCF_001806465.1	3707	2978	602	127	2161	2747	3856	3042	686	128	2178	2780	99.86	2879
GCF_001806485.1	3706	2978	581	147	2161	2747	3868	3054	653	161	2181	2784	99.9	2880
GCF_001887305.1	3768	2973	575	220	2161	2744	3889	3022	643	224	2176	2775	99.79	2877
GCF_001895985.1	3700	2981	588	131	2161	2746	3850	3047	671	132	2187	2785	99.97	2882
GCF_001896005.1	3784	2975	304	505	2161	2745	4072	3091	408	573	2183	2794	99.76	2876
GCF_001902375.1	3719	2980	575	164	2161	2745	3884	3050	646	188	2196	2792	99.93	2881
GCF_001908295.1	3537	2910	276	351	2161	2724	3795	2958	420	417	2184	2764	97.75	2818
GCF_001922205.1	3784	2982	655	147	2161	2747	3936	3041	748	147	2180	2780	100	2883
GCF_001922225.1	3691	2982	582	127	2161	2747	3821	3036	658	127	2175	2774	100	2883
GCF_001922245.1	3791	2982	666	143	2161	2747	3953	3065	745	143	2202	2803	100	2883
GCF_001941765.1	3662	2926	253	483	2161	2745	3725	2953	284	488	2174	2766	98.27	2833
GCF_002009115.1	3613	2967	587	59	2161	2743	3852	3098	691	63	2246	2866	99.51	2869
GCF_002082625.2	3702	2977	602	123	2161	2746	3847	3041	678	128	2175	2774	99.83	2878
GCF_002082645.1	3703	2919	522	262	2161	2721	3934	2987	623	324	2185	2764	97.92	2823
GCF_002082685.1	3606	2906	583	117	2161	2728	3707	2941	649	117	2180	2757	97.5	2811
GCF_002082705.1	3698	2974	619	105	2161	2743	3837	3038	684	115	2191	2789	99.72	2875
GCF_002082725.1	3623	2975	600	48	2161	2744	3735	3011	671	53	2180	2773	99.76	2876
GCF_002082745.1	3505	2946	521	38	2161	2738	3605	2975	590	40	2176	2762	98.79	2848
GCF_002082785.1	3861	2965	267	629	2161	2746	4022	3015	357	650	2185	2785	99.65	2873
GCF_002082805.1	3545	2921	320	304	2161	2736	3630	2966	351	313	2179	2768	98.13	2829
GCF_002082825.1	3675	2957	317	401	2161	2742	3801	2994	392	415	2181	2774	99.24	2861
GCF_002082845.1	3581	2979	504	98	2161	2747	3728	3042	575	111	2176	2776	99.9	2880
GCF_002082865.1	3718	2978	608	132	2161	2747	3864	3041	685	138	2176	2778	99.86	2879
GCF_002082885.1	3670	2955	594	121	2161	2735	3813	3018	670	125	2176	2763	99.1	2857
GCF_002116925.1	3654	2971	234	449	2161	2739	3715	3012	241	462	2178	2765	99.62	2872
GCF_002210065.1	3819	2961	415	443	2161	2746	3915	3006	445	464	2177	2775	99.38	2865
GCF_002504145.1	3495	2836	132	527	2161	2694	3601	2871	151	579	2184	2721	95.42	2751
GCF_002741415.1	3659	2922	304	433	2161	2727	3791	2958	358	475	2175	2752	98.06	2827
GCF_002753915.1	3771	2981	522	268	2161	2746	3982	3058	652	272	2186	2788	99.97	2882
GCF_002761575.1	3701	2982	458	261	2161	2747	3877	3046	567	264	2182	2782	100	2883

GCF_002762095.1	3617	2967	535	115	2161	2745	3722	3018	589	115	2177	2774	99.58	2871
GCF_002762115.1	3666	2966	535	165	2161	2744	3765	3014	586	165	2174	2770	99.55	2870
GCF_002762155.1	3517	2974	477	66	2161	2739	3654	3037	550	67	2177	2767	99.72	2875
GCF_002762545.2	3810	2978	582	250	2161	2745	4172	3106	719	347	2237	2849	99.86	2879
GCF_002803025.2	3398	2959	193	246	2161	2747	3428	2984	194	250	2173	2768	99.34	2864
GCF_002843665.1	3706	2978	624	104	2161	2746	3830	3031	688	111	2176	2776	99.86	2879
GCF_002902885.1	3711	2891	226	594	2161	2716	3901	2931	309	661	2185	2754	97.33	2806
GCF_002947415.1	3777	2940	606	231	2161	2734	4067	3029	799	239	2183	2772	98.72	2846
GCF_002947845.1	3681	2897	395	389	2161	2725	3940	2934	437	569	2184	2757	97.64	2815
GCF_002948925.1	3490	2937	250	303	2161	2727	3605	2988	312	305	2193	2772	98.51	2840
GCF_002950495.2	3556	2981	465	110	2161	2746	3651	3011	522	118	2173	2767	99.97	2882
GCF_002996805.1	3762	2960	302	500	2161	2744	3930	3008	400	522	2178	2774	99.31	2863
GCF_002999195.2	3815	2962	354	499	2161	2747	3920	3011	383	526	2174	2780	99.41	2866
GCF_003006035.1	3814	2960	237	617	2161	2746	3963	3005	283	675	2184	2781	99.65	2873
GCF_003010655.1	3686	2966	567	153	2161	2747	3839	3029	651	159	2173	2772	99.48	2868
GCF_003010675.1	3804	2954	337	513	2161	2746	4051	3017	387	647	2195	2804	99.1	2857
GCF_003029495.1	3775	2940	605	230	2161	2734	4065	3030	798	237	2184	2773	98.72	2846
GCF_003181015.1	3731	2957	495	279	2161	2738	4022	3052	663	307	2177	2775	99.2	2860
GCF_003264255.1	3633	2979	612	42	2161	2747	3733	3025	666	42	2177	2776	99.9	2880
GCF_003264275.1	3827	2982	593	252	2161	2747	4014	3034	685	295	2177	2775	100	2883
GCF_003264295.1	3632	2979	609	44	2161	2747	3724	3021	658	45	2174	2772	99.9	2880
GCF_003288775.1	3548	2979	542	27	2161	2747	3650	3024	598	28	2177	2775	99.9	2880
GCF_003296225.1	3741	2913	405	423	2161	2737	3828	2950	432	446	2174	2766	97.81	2820
GCF_003345235.1	3739	2950	333	456	2161	2745	3910	2997	382	531	2181	2773	99.06	2856
GCF_003431385.1	3923	2964	332	627	2161	2739	4170	3063	435	672	2233	2830	99.51	2869
GCF_003431865.1	3789	2969	244	576	2161	2745	4174	3040	337	797	2189	2787	99.58	2871
GCF_003516005.1	3669	2981	643	45	2161	2747	3829	3064	719	46	2176	2780	99.97	2882
GCF_003522665.1	3759	2927	322	510	2161	2715	3993	3012	414	567	2176	2750	98.13	2829
GCF_003522705.1	3604	2898	209	497	2161	2708	3663	2932	227	504	2178	2735	97.4	2808
GCF_003522785.1	3694	2982	655	57	2161	2747	3934	3088	784	62	2211	2811	100	2883

GCF_003522845.1	3665	2960	320	385	2161	2747	3820	3014	402	404	2182	2782	99.27	2862
GCF_003522885.1	3629	2981	578	70	2161	2747	3732	3028	634	70	2172	2769	99.97	2882
GCF_003547115.1	3778	2957	244	577	2161	2733	4122	3028	339	755	2189	2775	99.17	2859
GCF_003591615.1	3493	2967	483	43	2161	2738	3617	3014	555	48	2176	2764	99.48	2868
GCF_003812065.1	3488	2678	135	675	2161	2604	3839	2739	358	742	2194	2658	90.29	2603
GCF_003812385.1	3484	2938	137	409	2161	2743	3642	3006	205	431	2186	2780	98.96	2853
GCF_003812485.1	3785	2972	336	477	2161	2746	4065	3064	455	546	2188	2795	99.65	2873
GCF_003931755.1	3566	2929	564	73	2161	2737	3713	2982	655	76	2175	2763	98.2	2831
GCF_003931775.1	3565	2929	563	73	2161	2737	3711	2982	653	76	2175	2763	98.2	2831
GCF_003948085.2	3640	2978	345	317	2161	2745	3834	3035	403	396	2178	2776	99.86	2879
GCF_003948455.2	3604	2968	506	130	2161	2742	3743	3020	592	131	2179	2773	99.55	2870
GCF_003948535.2	3537	2974	479	84	2161	2745	3644	3021	538	85	2173	2768	99.83	2878
GCF_003949115.2	3641	2978	345	318	2161	2745	3829	3036	401	392	2178	2777	99.86	2879
GCF_003949595.2	3653	2981	563	109	2161	2746	3820	3052	652	116	2175	2774	99.97	2882
GCF_003949725.2	3655	2978	345	332	2161	2745	3844	3035	400	409	2178	2776	99.86	2879
GCF_004028375.1	3689	2946	218	525	2161	2737	3763	2986	233	544	2176	2768	98.92	2852
GCF_004101685.1	3529	2959	559	11	2161	2747	3681	3024	645	12	2184	2788	99.27	2862
GCF_004101705.1	3529	2959	560	10	2161	2747	3687	3027	650	10	2186	2791	99.27	2862
GCF_004101725.1	3528	2959	558	11	2161	2747	3676	3024	641	11	2184	2788	99.27	2862
GCF_004101745.1	3545	2970	565	10	2161	2739	3686	3033	643	10	2182	2777	99.62	2872
GCF_004136355.1	3697	2949	518	230	2161	2743	3882	2996	604	282	2183	2776	98.96	2853
GCF_004194555.1	3494	2848	152	494	2161	2685	3709	2911	248	550	2185	2728	95.77	2761
GCF_004564095.1	3540	2906	240	394	2161	2715	3776	2959	393	424	2184	2752	97.57	2813
GCF_004564115.1	3514	2897	159	458	2161	2714	3780	2961	334	485	2189	2753	97.33	2806
GCF_004758865.1	3838	2929	317	592	2161	2730	4052	2991	370	691	2194	2778	98.34	2835
GCF_004768705.1	3645	2883	206	556	2161	2716	3822	2937	256	629	2184	2749	96.6	2785
GCF_004797155.2	3624	2926	254	444	2161	2745	3758	2958	322	478	2179	2771	98.27	2833
GCF_005280355.1	3783	2971	610	202	2161	2741	4110	3094	757	259	2234	2840	99.62	2872
GCF_005280375.1	3610	2972	512	126	2161	2740	3759	3055	569	135	2219	2817	99.65	2873
GCF_005280415.1	3707	2926	336	445	2161	2729	4049	3081	474	494	2245	2842	98.3	2834

GCF_005280435.1	3919	2974	349	596	2161	2744	4083	3040	408	635	2194	2788	99.72	2875
GCF_005280675.1	3441	2880	227	334	2161	2712	3593	2984	249	360	2244	2807	96.67	2787
GCF_005280695.1	3625	2972	536	117	2161	2743	3800	3051	628	121	2197	2798	99.76	2876
GCF_005280715.1	3677	2972	579	126	2161	2743	3837	3041	664	132	2199	2795	99.76	2876
GCF_005518095.1	3979	2968	280	731	2161	2745	4174	3042	374	758	2205	2808	99.76	2876
GCF_005519135.1	3688	2978	559	151	2161	2743	3743	3009	582	152	2177	2767	99.9	2880
GCF_005671375.1	3775	2982	462	331	2161	2747	3927	3032	556	339	2177	2773	100	2883
GCF_006385075.1	3729	2959	338	432	2161	2745	3935	3025	381	529	2179	2780	99.31	2863
GCF_007107525.1	3575	2911	193	471	2161	2733	3654	2940	217	497	2180	2758	97.85	2821
GCF_007221455.1	3524	2982	457	85	2161	2747	3567	3014	467	86	2175	2770	100	2883
GCF_007647215.1	3645	2979	622	44	2161	2747	3768	3026	696	46	2179	2777	99.9	2880
GCF_008033255.1	3601	2979	487	135	2161	2745	3829	3070	586	173	2206	2804	99.9	2880
GCF_008124045.1	3501	2919	226	356	2161	2736	3566	2959	237	370	2174	2757	97.95	2824
GCF_008244865.1	3528	2959	558	11	2161	2747	3680	3025	644	11	2185	2789	99.27	2862
GCF_008244885.1	3529	2959	559	11	2161	2747	3680	3024	645	11	2184	2788	99.27	2862
GCF_008244905.1	3529	2959	560	10	2161	2747	3679	3024	645	10	2184	2788	99.27	2862
GCF_008630895.1	3613	2923	248	442	2161	2743	3665	2947	270	448	2173	2763	98.27	2833
GCF_008632635.1	3581	2973	219	389	2161	2747	3631	2997	226	408	2175	2767	99.83	2878
GCF_008802935.1	3548	2879	208	461	2161	2709	3831	2970	342	519	2221	2793	96.91	2794
GCF_008807055.1	3656	2979	620	57	2161	2747	3817	3032	721	64	2184	2783	99.9	2880
GCF_008931365.1	3770	2778	134	858	2161	2640	4038	2847	251	940	2205	2699	93.86	2706
GCF_009455505.1	3701	2974	543	184	2161	2747	3888	3055	627	206	2189	2795	99.83	2878
GCF_009497995.1	3746	2937	381	428	2161	2721	3915	2990	444	481	2174	2747	98.44	2838
GCF_009498335.1	3657	2976	558	123	2161	2745	3847	3059	640	148	2195	2801	99.79	2877
GCF_009740145.1	3548	2967	185	396	2161	2738	3601	3000	190	411	2175	2763	99.55	2870
GCF_009759685.1	3656	2969	234	453	2161	2739	3724	3017	241	466	2182	2772	99.55	2870
GCF_009833005.1	3456	2956	179	321	2161	2733	3602	3071	195	336	2235	2829	99.2	2860
GCF_011067065.1	3497	2947	510	40	2161	2739	3616	2989	585	42	2184	2771	98.82	2849
GCF_900088705.1	3738	2965	542	231	2161	2746	3848	3016	596	236	2176	2776	99.45	2867
GCF_900478145.1	3665	2962	330	373	2161	2747	3793	3013	369	411	2181	2781	99.41	2866

AB6870155	3640	2961	267	412	2161	2746	3748	3005	280	463	2176	2774	99.38	2865
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#soft_core=0.95

#duplication_margin=0.05