

Run ID	Size range (µm)	⁴⁰ Ar ±σ (nA)		³⁹ Ar ±σ (nA)		³⁸ Ar ±σ (nA)		³⁷ Ar ±σ (nA)		³⁶ Ar ±σ (nA)		⁴⁰ Ar* ±σ (%)		⁴⁰ Ar*/ ³⁹ Ar _K ±σ		Age ±σ
Total fusion		$J=0.02369 \pm 0.00006 \quad D=1.007807 \pm 0.002395$														
58338-01	Hb 212+	1.928774	0.001706	0.0558794	0.0001756	0.0017251	0.0000336	0.1392334	0.0354696	0.0001001	0.0000175	99.05383	0.3309076	34.25428	0.1830887	1071.9 ± 4.3
58338-02	Hb 212+	6.704365	0.005362	0.1939476	0.0003435	0.0060062	0.0000555	0.5599345	0.0363093	0.0002425	0.0000183	99.60989	0.1469418	34.50806	0.1136049	1077.9 ± 2.7
58338-03	Hb 212+	9.375657	0.006948	0.2717764	0.0006531	0.0080777	0.0000653	0.8346249	0.0388871	0.0004162	0.0000189	99.41015	0.1263015	34.37371	0.1247894	1074.7 ± 2.9
58339-01	Hb 212-180	6.774476	0.005164	0.1964015	0.0003833	0.0055181	0.0000517	0.5460824	0.0371607	0.0002532	0.0000187	99.54935	0.1434515	34.40954	0.1168651	1075.5 ± 2.8
58339-02	Hb 212-180	6.139512	0.005164	0.1786131	0.0003335	0.0049377	0.0000536	0.4769956	0.0371939	0.0002225	0.0000184	99.55924	0.1573211	34.29062	0.1163658	1072.7 ± 2.7
58339-03	Hb 212-180	6.221123	0.004573	0.1818643	0.0003833	0.0044788	0.0000488	0.5937617	0.036392	0.0002819	0.0000184	99.43085	0.1447273	34.09668	0.1199081	1068.2 ± 2.8
58340-01	Hb 180-150	2.925595	0.003496	0.0842561	0.0002443	0.0025333	0.0000373	0.2653219	0.037228	0.0001284	0.0000176	99.43796	0.2674499	34.60961	0.1601366	1080.2 ± 3.8
58340-02	Hb 180-150	3.957119	0.003886	0.115806	0.000274	0.0032116	0.0000411	0.2881129	0.0356603	0.0001517	0.0000179	99.45856	0.2073999	34.0489	0.1344529	1067.0 ± 3.2
58340-03	Hb 180-150	3.183703	0.003496	0.0916371	0.0002443	0.0030046	0.0000373	0.2618938	0.0364575	0.0001159	0.0000178	99.59456	0.2461714	34.67624	0.1507647	1081.8 ± 3.5
58341-01	hb150-125	1.18392	0.001706	0.0346181	0.0001659	0.0009709	0.0000239	0.0729829	0.0333694	0.000086	0.0000172	98.35692	0.527851	33.69076	0.2637075	1058.5 ± 6.3
58341-02	hb150-125	2.310542	0.003496	0.0667119	0.0002049	0.0018572	0.0000239	0.1949187	0.0350145	0.0001259	0.0000175	99.07298	0.3340819	34.38918	0.1762723	1075.1 ± 4.2
58341-03	hb150-125	2.123485	0.002629	0.0620116	0.0002049	0.0016112	0.0000282	0.1707794	0.0350308	0.0001133	0.0000175	99.07422	0.3295575	33.99677	0.1814233	1065.8 ± 4.3
58342-01	Hb 125-106	1.28508	0.001706	0.0366471	0.0001562	0.0010782	0.0000273	0.0792961	0.0337034	0.0000884	0.0000175	98.46991	0.4915878	34.58594	0.2498175	1079.7 ± 5.9
58342-02	Hb 125-106	1.803692	0.002159	0.0526294	0.0001756	0.0014379	0.0000273	0.1126906	0.0358196	0.0000806	0.0000172	99.18865	0.3659385	34.04821	0.1922442	1067.0 ± 4.5
58342-03	Hb 125-106	1.692974	0.001975	0.0492724	0.0001756	0.0012229	0.0000239	0.1620248	0.034398	0.0000882	0.0000172	99.23151	0.3804295	34.18011	0.201634	1070.1 ± 4.8
58343-01	Hb 106-85	2.820579	0.003302	0.0814227	0.000274	0.0023623	0.0000318	0.1837503	0.0344135	0.0001225	0.0000179	99.2472	0.2699154	34.43874	0.1711467	1076.2 ± 4.0
58343-02	Hb 106-85	1.658324	0.001975	0.0476027	0.0001951	0.0011972	0.0000273	0.1014763	0.0344447	0.0000911	0.0000172	98.8727	0.3888351	34.49923	0.2184363	1077.6 ± 5.1
58343-03	Hb 106-85	3.099369	0.003399	0.090883	0.0002542	0.0018981	0.0000318	0.1366833	0.0344608	0.0001181	0.0000176	99.2313	0.2464992	33.87869	0.1507905	1063.0 ± 3.6
58344-01	Hb 85-74	1.226439	0.001706	0.0358898	0.0001756	0.0009916	0.0000214	0.0962933	0.0359185	0.0000798	0.0000174	98.71483	0.5200455	33.80141	0.2651638	1061.2 ± 6.3
58344-02	Hb 85-74	1.151242	0.001706	0.0333036	0.0001659	0.0008623	0.0000247	0.0594623	0.0352361	0.000071	0.0000173	98.59956	0.5494205	34.12962	0.2771774	1068.9 ± 6.6
58344-03	Hb 85-74	1.078411	0.001884	0.0311925	0.0001562	0.0008881	0.0000256	0.1205943	0.0352521	0.0001075	0.0000172	97.95618	0.5933551	33.96525	0.2885206	1065.0 ± 6.8
58345-01	Hb 74-63	2.434658	0.002915	0.0679714	0.0002246	0.0019356	0.0000291	0.1660576	0.0360137	0.0002779	0.0000182	97.18072	0.3026444	34.87308	0.1844225	1086.4 ± 4.3
58345-02	Hb 74-63	0.9387424	0.001618	0.026798	0.0001659	0.0007052	0.0000239	0.0529505	0.0352995	0.0000576	0.0000173	98.64654	0.6700279	34.60748	0.3407578	1080.2 ± 8.0
58345-03	Hb 74-63	1.79835	0.001706	0.0519501	0.0001951	0.0015447	0.0000264	0.1823229	0.0353159	0.000144	0.0000174	98.45425	0.3534202	34.1722	0.2027754	1069.9 ± 4.8
58346-01	hb 63-53	1.66254	0.001706	0.0471194	0.0002147	0.0013759	0.0000273	0.1188064	0.0346304	0.0001936	0.0000175	97.1404	0.3827474	34.33968	0.2320599	1073.9 ± 5.5
58346-02	hb 63-53	1.657875	0.001794	0.0477793	0.0001951	0.0013198	0.0000256	0.1337949	0.0361111	0.000201	0.0000178	97.07026	0.3935721	33.75314	0.2197168	1060.0 ± 5.2
58346-03	hb 63-53	1.779923	0.002158	0.0512328	0.0002147	0.0013425	0.0000247	0.2026996	0.0353794	0.000232	0.0000178	97.0664	0.3768779	33.82369	0.2173572	1061.7 ± 5.2
58347-01	Hb 53-38	8.391242	0.006253	0.239683	0.000583	0.0064795	0.0000536	0.7638333	0.03954	0.0008537	0.0000194	97.72928	0.1317513	34.29713	0.1300914	1072.9 ± 3.1
58347-02	Hb 53-38	5.332848	0.004474	0.1526214	0.0003335	0.0042823	0.0000411	0.4182626	0.037	0.000456	0.0000184	98.10934	0.1667645	34.35188	0.1287059	1074.2 ± 3.0
58347-04	Hb 53-38	0.1338108	0.001015	0.0037837	0.0000751	0.0000998	0.0000184	-0.0604406	0.034114	0.0000216	0.0000172	91.64298	4.43439	32.02016	1.767722	1018.4 ± 43.0
58347-05	Hb 53-38	6.290252	0.005164	0.1814868	0.0003634	0.004997	0.0000478	0.5096652	0.0362879	0.0005163	0.0000194	98.23088	0.155491	34.11848	0.1217773	1068.7 ± 2.9
58347-06	Hb 53-38	7.423747	0.004868	0.2106282	0.0003833	0.0058484	0.0000575	0.6527112	0.0370996	0.0010515	0.00002	96.52559	0.1287163	34.10076	0.1200396	1068.3 ± 2.8
58348-01	Hb 38-34	2.447545	0.003398	0.0668098	0.0002147	0.0020008	0.0000291	0.1654052	0.0348639	0.000569	0.0000188	93.67992	0.3192253	34.38319	0.1909058	1074.9 ± 4.5

58349-01	Hb 34-28	3.088635	0.003011	0.0879852	0.0002344	0.0023819	0.0000318	0.2205856	0.03715	0.0004104	0.0000184	96.65265	0.2437096	33.99305	0.1556929	1065.7 ± 3.7
58349-02	Hb 34-28	2.416923	0.003788	0.0686377	0.0002147	0.0018268	0.0000318	0.1904125	0.0388784	0.0002629	0.0000178	97.42362	0.3370274	34.37733	0.1822005	1074.8 ± 4.3
58349-03	Hb 34-28	2.879343	0.003886	0.0805559	0.0002246	0.0023248	0.0000309	0.2543447	0.0356341	0.0004484	0.0000186	96.11302	0.287088	34.436	0.1678592	1076.2 ± 4.0
58349-04	Hb 34-28	4.311635	0.003886	0.1215828	0.0003037	0.0034589	0.0000327	0.3193662	0.0372173	0.0006275	0.0000194	96.30029	0.196795	34.21814	0.1446512	1071.0 ± 3.4
58349-05	Hb 34-28	3.303788	0.003788	0.0947649	0.0003236	0.0031231	0.0000555	0.2484458	0.0372347	0.0007213	0.0000213	94.1612	0.2646736	32.89226	0.175166	1039.5 ± 4.2
58350-01	Hb 28-22	1.572752	0.001705	0.0452969	0.0001951	0.0012466	0.0000273	0.1372221	0.0343304	0.00026	0.0000175	95.82088	0.4029204	33.34601	0.2269925	1050.3 ± 5.4
58350-02	Hb 28-22	2.453947	0.002628	0.068804	0.0002246	0.0019069	0.0000264	0.1500505	0.0357609	0.0004226	0.0000185	95.40859	0.2929266	34.08398	0.1825206	1067.9 ± 4.3
58350-03	Hb 28-22	2.641221	0.003011	0.0786728	0.0002049	0.002181	0.0000364	0.1785918	0.0365336	0.0004349	0.0000182	95.68418	0.2822305	32.17812	0.1556223	1022.2 ± 3.8
58351-01	Hb 22-15	2.338003	0.002723	0.0681749	0.0002246	0.0018863	0.00003	0.1525151	0.0344214	0.0004344	0.0000184	95.03976	0.3080093	32.64791	0.1786813	1033.6 ± 4.3
58351-02	Hb 22-15	1.197241	0.001883	0.031831	0.0001465	0.000951	0.0000264	0.0519486	0.0342634	0.0003387	0.0000179	91.99573	0.5433657	34.64408	0.2893949	1081.1 ± 6.8
58352-01	Hb 15-10	5.33584	0.004474	0.1489233	0.0003335	0.0041647	0.0000449	0.4706058	0.0391244	0.0008086	0.0000194	96.23513	0.1704899	34.56283	0.1364821	1079.1 ± 3.2
58352-02	Hb 15-10	3.734775	0.004277	0.10901	0.0002839	0.0029649	0.0000373	0.3429256	0.0366189	0.0005144	0.0000189	96.6721	0.2340127	33.19937	0.1466949	1046.8 ± 3.5
58352-03	Hb 15-10	3.416966	0.003495	0.0953265	0.0002443	0.0026882	0.0000364	0.2256772	0.0358921	0.0006604	0.0000189	94.82529	0.233086	34.05058	0.1557124	1067.1 ± 3.7
<i>J=0.02365 ± 0.00006</i>																
58358-01	Hb 10-5	0.0913026	0.000941	0.0021441	0.0000694	0.0000699	0.0000164	0.0178052	0.0344685	0.0000533	0.0000171	84.3009	6.457576	36.12502	3.218524	-
58358-02	Hb 10-5	0.0016256	0.000837	2.67E-06	0.0000523	2.76E-06	0.0000154	-0.0256871	0.033706	4.52E-06	0.0000167	-108.227	354.9037	-79.28257	295.7764	-
58358-03	Hb 10-5	0.0122534	0.00085	0.0000417	0.0000501	-5.79E-07	0.0000149	0.0361831	0.0346074	0.0000442	0.000017	16.85635	47.33067	145.7818	817.8657	-
58358-04	Hb 10-5	0.376299	0.001287	0.0054129	0.0000844	0.000289	0.0000184	-0.018002	0.0352882	0.0011906	0.0000194	6.121838	1.737562	4.245096	1.36874	-
58358-05	Hb 10-5	0.0102905	0.000871	0.0002216	0.0000529	9.74E-06	0.0000153	-0.0381219	0.0353047	-0.000023	0.0000167	136.5982	57.13853	56.10246	29.09492	-
58358-06	Hb 10-5	0.0014668	0.000844	-0.0000334	0.0000517	6.22E-06	0.0000145	0.0114314	0.0346687	-0.0000134	0.0000168	431.4639	464.1169	-150.5393	225.6422	-
58358-07	Hb 10-5	0.0099497	0.000863	0.0000058	0.0000517	0.0000238	0.0000153	-0.0003156	0.034011	0.0000384	0.000017	-14.41025	58.16085	-24.62467	97.28331	-
58358-8	Hb 10-5	5.419777	0.003788	0.1515902	0.0002938	0.0043108	0.0000507	0.4259797	0.0395572	0.0008368	0.0000194	96.07445	0.1561598	34.42214	0.1291047	1074.6 ± 3.0
58358-09	Hb 10-5	16.58294	0.007743	0.4659178	0.0008633	0.0130923	0.000084	1.409516	0.0478048	0.002021	0.0000219	97.08664	0.0804266	34.63398	0.1161278	1079.6 ± 2.7
58358-10	Hb 10-5	13.4143	0.006947	0.3780293	0.0007932	0.0107585	0.0000702	1.137645	0.0434916	0.0016453	0.0000219	97.06232	0.0917861	34.52064	0.121784	1076.9 ± 2.9
58358-11	Hb 10-5	6.705653	0.005263	0.1984077	0.0003833	0.0053558	0.0000536	0.5583624	0.0405561	0.0008153	0.0000194	97.08114	0.1485827	32.88046	0.1183606	1038.0 ± 2.8
58358-12	Hb 10-5	6.705102	0.005461	0.1929674	0.0003335	0.0052776	0.0000497	0.4853707	0.0415363	0.0008298	0.0000194	96.93008	0.1520409	33.74443	0.1185126	1058.6 ± 2.8
58358-13	Hb 10-5	6.2088	0.004967	0.1740692	0.0003236	0.0049523	0.000043	0.4978619	0.0379201	0.0008682	0.0000194	96.5176	0.1541135	34.50073	0.1252117	1076.4 ± 2.9
58358-14	Hb 10-5	4.840019	0.004474	0.1357444	0.0003037	0.0039062	0.0000449	0.3400346	0.0349768	0.0005458	0.0000187	97.23855	0.1831733	34.7362	0.1357189	1082.0 ± 3.2
58359-01	Hb 5-	0.3223009	0.001167	0.0101943	0.0000951	0.0002699	0.0000198	-0.0062394	0.0344468	0.0001269	0.0000173	88.21645	1.867638	27.87659	0.6808599	913.7 ± 17.5
58359-02	Hb 5-	0.2982903	0.001159	0.008354	0.0000897	0.0002357	0.0000177	0.0317517	0.0353978	0.0002449	0.0000174	76.59082	2.031569	27.42638	0.8363169	902.1 ± 21.6

Age spectrum

<i>J=0.02369 ± 0.00006</i>																
58347-07A	Hb 53-38	0.0008527	0.000837	-8.21E-06	0.0000536	5.50E-06	0.0000158	0.0089746	0.0351011	5.10E-06	0.0000167	7.376255	675.4329	-4.184768	378.2805	-
58347-07B	Hb 53-38	0.0002588	0.000851	-8.21E-06	0.0000517	-0.0000147	0.0000155	-0.0234859	0.0358738	-0.0000116	0.0000169	700.4937	3220.91	188.0515	1385.188	-
58347-07C	Hb 53-38	0.0004993	0.000864	-0.0000163	0.0000512	-0.000022	0.0000144	-0.0259526	0.0352126	-0.0000193	0.0000169	827.8794	1845.571	1213.553	19569.85	-
58347-07D	Hb 53-38	0.001597	0.000846	0.0000103	0.0000517	-8.12E-06	0.0000153	0.0145008	0.034847	-0.0000156	0.0000168	461.0403	436.3497	-9717.983	612867.8	-
58347-07E	Hb 53-38	0.0014291	0.000856	0.000018	0.0000485	-7.29E-06	0.0000154	0.0107704	0.0351936	-0.0000309	0.0000168	799.6816	627.1085	1169.132	7013.206	-
58347-07F	Hb 53-38	0.0358481	0.000876	0.0007322	0.0000596	0.0000205	0.0000164	-0.0476857	0.0359521	4.00E-08	0.0000169	89.35996	16.45419	41.68832	9.067169	1239.3 ± 195.0
58347-07G	Hb 53-38	0.1635167	0.000978	0.0045166	0.0000751	0.0001049	0.0000163	-0.0555056	0.036697	3.91E-06	0.000017	96.59166	3.660222	34.64505	1.53363	1081.1 ± 36.0
58347-07H	Hb 53-38	4.125763	0.004181	0.118262	0.0002839	0.0033777	0.0000383	0.3130845	0.0420372	0.0003187	0.0000181	98.33358	0.2108022	34.37373	0.1401649	1074.7 ± 3.3
58347-07I	Hb 53-38	3.100117	0.0034	0.089967	0.000274	0.002467	0.0000345	0.2522394	0.0383774	0.0001964	0.0000178	98.78681	0.2515371	34.11231	0.1601947	1068.5 ± 3.8
58347-07J	Hb 53-38	2.519097	0.003013	0.0733112	0.0001951	0.0020402	0.00003	0.2112685	0.0367948	0.0001648	0.0000178	98.7466	0.2939453	34.00477	0.1602782	1066.0 ± 3.8
58347-07K	Hb 53-38	2.29237	0.00311	0.0662954	0.0002542	0.001804	0.0000247	0.1439361	0.0368271	0.0001622	0.0000177	98.41961	0.3259988	34.08716	0.1937506	1067.9 ± 4.6

58347-07L	Hb 53-38	3.555665	0.003498	0.1033038	0.0002641	0.0029372	0.0000355	0.317022	0.0393124	0.0002906	0.0000182	98.3068	0.2247249	33.9151	0.1448346	1063.9 ± 3.4
58347-07M	Hb 53-38	1.520887	0.00198	0.0457685	0.0001853	0.0012244	0.0000318	0.1306259	0.0349695	0.0000931	0.0000173	98.88708	0.4265511	32.93085	0.2157122	1040.4 ± 5.2
<i>J=0.02365 ± 0.00006</i>																
58358-09A	Hb 10-5	0.001072	0.000849	-0.000024	0.0000517	-0.0000269	0.0000153	-0.0421803	0.0348055	-0.000021	0.0000166	363.8566	607.0696	485.0534	3557.865	-
58358-09B	Hb 10-5	0.1157105	0.000913	0.0029813	0.0000768	0.0000847	0.0000164	-0.0313799	0.0351239	0.0000401	0.000017	87.59561	5.091287	33.72728	2.285337	1058.2 ± 54.2
58358-09C	Hb 10-5	0.1732925	0.001058	0.0049505	0.0000801	0.0001684	0.000017	-0.0203007	0.035217	0.0000182	0.0000169	95.98246	3.426032	33.49389	1.393797	1052.6 ± 33.2
58358-09D	Hb 10-5	0.6982791	0.001377	0.0193957	0.000137	0.0005988	0.0000206	0.0867336	0.0370383	0.0000824	0.0000171	97.51597	0.8863589	35.2264	0.4361072	1093.4 ± 10.2
58358-09E	Hb 10-5	0.8729623	0.001542	0.0243456	0.000137	0.0006598	0.0000222	0.0560781	0.0355037	0.0001006	0.0000173	97.11733	0.71622	34.88383	0.3496151	1085.4 ± 8.2
58358-09F	Hb 10-5	0.2880896	0.001086	0.0081441	0.0000933	0.0002471	0.0000191	-0.037429	0.0349741	0.0000257	0.0000171	96.33553	2.079036	33.95842	0.8806807	1063.7 ± 20.8
58358-09G	Hb 10-5	0.6203465	0.001301	0.0178247	0.0001087	0.0005097	0.0000206	0.0058596	0.0351721	0.0000639	0.0000171	97.04144	0.9792142	33.78073	0.4273778	1059.4 ± 10.1
58358-09H	Hb 10-5	1.835617	0.001983	0.0522261	0.0002049	0.0014345	0.0000256	0.1426148	0.0371223	0.0001915	0.0000175	97.54591	0.3602876	34.35556	0.2108396	1073.0 ± 5.0
58358-09I	Hb 10-5	1.112107	0.001806	0.0328403	0.0001465	0.000876	0.0000247	0.0191518	0.0357611	0.0000956	0.0000173	97.60615	0.5766652	33.06737	0.2667912	1042.4 ± 6.4
58358-09J	Hb 10-5	0.7012983	0.001464	0.0201409	0.0001275	0.0005466	0.0000198	0.0933218	0.0372038	0.0000835	0.0000173	97.55241	0.8941825	34.08676	0.4080178	1066.7 ± 9.6

Electronic Annex 2