

**Supplemental Table S4. Proposed markers of aging and their signal ratios**

Sample ID	Age group	Age (days)	m/z 647.6685	m/z 855.7421	Ratio 647/855	Ratio, Mean	Ratio, SD
			Signal	Signal			
1	P21	21	1009490	32193.29	31.35715548	30.96167471	6.385389513
2	P21	21	938182	24962.76	37.58326403		
3	P21	21	960969.4	43147.88	22.27153223		
4	P21	21	1044837	32016.09	32.63474709		
5	P30	30	930138.9	42828.69	21.71765935	17.38976672	5.285803496
6	P30	30	803634.8	75913.37	10.58620899		
7	P30	30	901097.4	41286.69	21.82537278		
8	P30	30	857961.3	78603.14	10.91510212		
9	P30	30	975731.6	52900.75	18.44457026		
10	P30	30	998731.9	47901.53	20.84968685		
11	P180	180	926828.6	119053	7.785008358	7.249372553	0.654281416
12	P180	180	876931.7	119383.4	7.345507834		
13	P180	180	759749.1	120488.4	6.305578794		
14	P180	180	820074.9	108455.5	7.561395227		
15	P365	365	654368.9	95400.35	6.859187624	6.010178014	2.035276989
19	P365	365	588130.2	163124.2	3.605413544		
16	P365	365	742018.9	129235.1	5.741620504		
17	P365	365	864840.1	177164.7	4.881559927		
18	P365	365	947246.4	105682.8	8.963108472		
27	P730	730	503762.2	392493.2	1.28349281	4.929945565	3.797141849
29	P730	730	479655.7	134047.8	3.578243731		
36	P730	730	532302	269452.2	1.975496953		
37	P730	730	651119.7	244986.5	2.657777878		
38	P730	730	627054.3	175990.6	3.562998819		
25	P730	730	573688.4	208284.5	2.75434994		
26	P730	730	441278.5	246026.6	1.793621096		
28	P730	730	983465.4	88726.35	11.084254		
31	P730	730	535730.7	141272.4	3.792182337		
32	P730	730	847212	124732.2	6.792247711		
33	P730	730	389350.8	268557.4	1.449786154		
34	P730	730	459908.2	201630.8	2.280942197		
20	P730	730	509538	173237.5	2.94126849		
21	P730	730	536028.5	192127.8	2.789958038		
22	P730	730	678902.8	51986.44	13.05922852		
23	P730	730	854444.5	71153.7	12.00843386		
24	P730	730	866352.6	122238.7	7.087383946		
30	P730	730	725171.6	92409.7	7.847353687		

Sample ID	Age group	Age (days)	m/z 742.5397	m/z 747.5614	Ratio 742/747	Ratio, Mean	Ratio, SD
			Signal	Signal			
5	P30	30	1885591	813173.3	2.318805844	2.463235134	0.289857975
6	P30	30	1615309	822947.4	1.962833834		
7	P30	30	1804385	660391.3	2.732296746		
8	P30	30	1838876	750337.5	2.450731837		
9	P30	30	2034988	771948	2.636172385		
10	P30	30	1805982	674233.6	2.678570157		
11	P180	180	1648233	581358.1	2.835142402	2.146498213	0.499011013
12	P180	180	1433042	670157.9	2.138364705		
13	P180	180	1446870	870177.1	1.662730495		
14	P180	180	1809818	928228.3	1.949755249		

39 (high contam. in PIM)	P365	365	1002334	827770.5	1.210883935	<b>1.595113011</b>	<b>0.825558605</b>
15	P365	365	878080	1009307	0.869983068		
16	P365	365	1183491	680910.5	1.738100675		
17	P365	365	1885998	771662.5	2.44407108		
18	P365	365	2098733	747130.4	2.809058499		
19	P365	365	878300.8	1021900	0.859478227		
27	P730	730	962911.8	780181.2	1.23421559	<b>1.190016691</b>	<b>0.516889076</b>
31	P730	730	964613.4	1284545	0.750937803		
32	P730	730	1515614	991869.6	1.528037557		
33	P730	730	668725.4	1025499	0.652097564		
34	P730	730	836868.7	1040059	0.804635795		
20	P730	730	728751.3	784483.1	0.928957297		
21	P730	730	1047911	1035271	1.012209364		
22	P730	730	962416	1541443	0.624360421		
23	P730	730	1740889	860832.9	2.022330931		
24	P730	730	1753060	859931.1	2.038605186		
25	P730	730	1647439	1102854	1.493796096		