

Paternal Ancestor Name	DYS385	DYS439	DYS458	DYS459	DYS449	DYS464	DYS460	YCAII	DYS576	DYS570	CDY	DYS557	DYS481	DYS446	DYS487	DYS710	DYS485	DYS716	DYS549	Y-GATA-A10	DYS441	DYS712	DYS650	DYS715	DYS635	DYS461		
CDY=33-34																												
MODE (Most common value for this group)	14-15	12 15	12 15	9-9	29	13-13-16-16-16-16	10	19-22	15 17	33-34-36	14 22	14 22	14 13	13 38	16 26	12 13	12 29	20 23	14									
Abraham Bachrach, ca 1870, Sierpe (or Pizaszysz) Poland	14-15	12 15	9-9	29	13-13-16-16-16-16	10	19-22	15 17	33-34-36	14 22	14 22	14 13	13 38	16 26	12 13	12 29	20 24	22 14										
Rabbi Tuvia Bachrach, d. 1659, Rhuzany, Belarus	14-15	12 15	9-9	29	13-13-16-16-16-16	10	19-22	15 17	33-34-36	14 22	14 22	14 13	13 38	16 26	12 13	12 29	20 24	22 14										
CDY=33-36																												
MODE (Most common value for this group)	14-15	12 15	9-9	29	13-13-16-16-16-16	10	19-22	15 17	33-36	14 22	13 38	16 26	12 13	12 29	20 23	22 13												
Simon Bacharach, 1761-1808-Fellheim, Bavaria, Germany	14-15	12 15	8-9	29	13-13-16-16-16-16	10	19-22	15 17	33-35-36	14 22	13 38	16 26	12 13	12 28	20 23	22 13												
Simon Bacharach, 1761-1808-Fellheim, Bavaria, Germany	14-15	12 15	8-9	30	13-13-16-16-16-17	10	19-22	15 17	33-36	14 22	13 38	16 26	12 13	12 27	20 23	22 13												
Sender Bachrach, b. ca. 1840, Slonim, Belarus	14-15	12 15	9-9	29	13-13-16-16-16-16	10	19-22	15 17	33-36	14 22	13 38	16 26	12 13	10 29	20 24	22 13												
Israel Bachrach (ca 1883-1936) Brest, Belarus	14-15	12 15	9-9	30	13-13-16-16-16-16	10	19-22	15 17	33-36	14 22	13 38	16 26	12 13	12 29	20 24	22 12												
CDY=34-34																												
MODE (Most common value for this group)	14-15	12 15	9-9	29	13-13-16-16-16-16	10	19-22	15 17	34-34	14 22	14 13	13 38	16 26	12 13	12 28	20 23	22 13											
Naftali Herz Bachrach, ca. 1670, Frankfurt am Main	14-15	12 15	9-9	29	13-13-16-16-16-16	10	19-22	15 17	34-34-35																			
Norbert Gabel, Breslau, 1936-2014	14-15	12 15	9-9	29	13-13-16-16-16-16	10	19-22	15 17	34-34																			
Naftali Herz Bachrach b. ca 1750, Kestrich, Hesse	14-15	12 15	9-9	29	13-13-16-16-16-16	10	19-22	15 17	34-34	14 22	14 13																	
Elias Blattner, ca 1750, Czech Republic	14-15	12 15	9-9	29	13-13-16-16-16-16	10	19-22	15 17	34-34-36	14 22	14 13	37	16 26	12 13	12 28	19	23	22 13										
Iseadore WERTHEIMER ca 1835 Hungary	14-16	11 15	9-9	29	13-13-16-16-16-16	10	19-22	15 17	34-34-36	14 22	13 38	16 26	12 12	12 28	20 23	22 13												
CDY=34-36																												
MODE (Most common value for this group)	14-15	12 15	9-9	29	13-13-16-16-16-16	10	19-22	15 17	34-36	14 22	14 13	13 37	16 26	12 13	12 28	20 23	22 13											
Samuel Bacharach, b. ca. 1770, Bavaria,	13-15	12 16	8-9	29	13-13-16-16-16-16	10	19-22	16 17	34-34-36	15 24	13 37	16 26	12 13	12 26	20 23	22 13												
Isaak Wertheimer b. 1588 Worms	14-15	11 15	9-9	29	13-13-16-16-16-16	10	19-22	15 17	34-36	14 22	13 38	17	26	12 12	12 28	20 24	22 13											
Loeb Bacharach, 1754-1823, Isernheim, Bas-Rhine	14-15	12 15	9-9	29	13-13-15-16-16-16	10	22-22	16 17	34-34-36	14 22	13 13																	
Naftali Herz Bachrach b. ca 1750, Kestrich, Hesse	14-15	12 15	9-9	29	13-13-16-16-16-16	10	19-22	15 17	34-36	14 22	14 13	38	16 26	12 13	12 31	20 23	22 13											
Simon Kollner b. 1820, Bohemia and d. bef 1876	14-15	12 15	9-9	29	13-13-16-16-16	9	19-22	15 17	34-36	14 22	13 37	16 26	12 13	12 27	20 23	22 13												
David Zvaifler b ? d 1936, Hungary	14-15	12 15	9-9	29	13-13-16-16-16	10	19-22	15 16	34-36	14 22	14 14																	
Rabbi Abraham Birkach-Schwab, b. ca 1540	14-15	12 15	9-9	29	13-13-16-16-16-16	10	19-22	15 17	34-34-36	14 22	13 37	16 26	12 13	12 28	20 23	22 13												
Jacob Bachrach, Hattenbach, Hesse, Germany, b. 177	14-15	12 15	9-9	29	13-13-16-16-16-16	10	19-22	15 17	34-36	14 22	14 13																	
Harris Sherris, 1867 – 1954, location unknown	14-15	12 15	9-9	29	13-13-16-16-16-16	10	19-22	15 17	34-36	14 22	14 13	37	16 26	12 13	12 30	20 23	21 13											
Maita Gelstien Kaminez Podolsk Moldovia	14-15	12 15	9-9	29	13-13-16-16-16-16	10	19-22	15 17	34-36	14 23	14 13	38	16 26	12 13	12 29	20 23	22 13											
Naftali Herz Bachrach b. ca 1750, Kestrich, Hesse	14-15	12 15	9-9	29	13-13-16-16-16-16	10	19-22	16 17	34-36																			
Naftali Herz Bachrach b. ca 1750, Kestrich, Hesse	14-15	12 15	9-9	29	13-13-16-16-16-16	10	19-22	16 17	34-36																			
Unknown	14-15	12 15	9-9	29	13-13-16-16-16-16	9	19-22	15 17	34-36	14 22	13 37	16 26	12 13	12 27	20 23	22 13												
Louis Rickman, ca1790, Circ. Slovakia	14-15	12 15	9-9	30	13-13-16-16-16-17	10	19-22	15 17	34-36	14 22	14 13	38	16 25	12 13	12 28	20 23	22 13											

This chart shows ONLY the markers for which any participant has a difference in value compared to the mode for the entire project. All other columns where everyone matches have been deleted. All participants have been tested at a minimum of 37 markers, and most have been upgraded to 67 or 111 markers. Blanks indicate those markers have not been tested for that participant.

Notes:
 Mode is the most common value for that marker within the group
 Markers that mutate more often than others
 Values that are less than the mode for ENTIRE GROUP (not subgroups)
 Values that are more than the mode for ENTIRE GROUP (not subgroups)



CDY is a more quickly mutating marker and in the case of the Bacharachs a delineator between subgroups. FTDNA only has space to report 2 copies at this location, but the Bacharachs have 3 copies. Individuals with 3 copies reported here have been verified with FTDNA. Individuals with only 2 copies have NOT been verified with FTDNA. These will be checked at a later date and we expect they will all have 3 copies.
 DYS464b is reported as 13.1 for some individuals. These are just the ones who have been verified by FTDNA. We plan to verify the rest and expect they will also have this microallele (partial repeat) at 464b.