Appendix: test results (ANOVA + Tukey)

Tests performed in SPSS in December 2023

			ANOVA 1				
			Sum of		Mean		
Formulation_	_cat		Squares	df	Square	F	Sig.
Reproduce	Mary	Between Groups	,734	2	,367	1,341	,265
		Within Groups	39,698	145	,274		
		Total	40,432	147			
	Marc	Between Groups	1,247	2	,623	,524	,593
		Within Groups	172,510	145	1,190		
		Total	173,757	147			
	Donor	Between Groups	,844	2	,422	,799	,452
		Within Groups	76,581	145	,528		
		Total	77,426	147			
	Doctor	Between Groups	3,979	2	1,990	1,296	,277
		Within Groups	222,582	145	1,535		
		Total	226,561	147			
Parent	Mary	Between Groups	,032	2	,016	,064	,938
		Within Groups	35,779	145	,247		

		Total	35,811	147			
	Marc	Between	14,947	2	7,474	4,439	,013
		Groups					
		Within Groups	244,100	145	1,683		
		Total	259,047	147			
	Donor	Between	20,007	2	10,004	5,958	,003
		Groups					
		Within Groups	243,473	145	1,679		
		Total	263,480	147			
	Doctor	Between	,194	2	,097	,691	,503
		Groups					
		Within Groups	20,367	145	,140		
		Total	20,561	147			
Child	Mary	Between	,338	2	,169	1,055	,351
		Groups					
		Within Groups	23,873	149	,160		
		Total	24,211	151			
	Marc	Between	25,580	2	12,790	7,339	<,001
		Groups					
		Within Groups	259,683	149	1,743		
		Total	285,263	151			
	Donor	Between	41,075	2	20,537	14,515	<,001
		Groups					
		Within Groups	210,820	149	1,415		
		Total	251,895	151			

Doctor	Between	,482	2	,241	,986	,375
	Groups					
	Within Groups	36,406	149	,244		
	Total	36,888	151			

Multiple Comparisons 1

Tukey HSD

			Tukey	1150				
							95% Co	nfidence
				Mean			Inte	rval
Formulation	Dependent			Difference			Lower	Upper
_Cat	Var.	(I) Genetic_cat	(J) Genetic_cat	(I-J)	Std. Error	Sig.	Bound	Bound
Reproduce	Mary	Unrelated	Brother	-,14286	,10571	,369	-,3932	,1075
			Twin	,01265	,10518	,992	-,2364	,2617
		Brother	Unrelated	,14286	,10571	,369	-,1075	,3932
			Twin	,15551	,10518	,304	-,0936	,4046
		Twin	Unrelated	-,01265	,10518	,992	-,2617	,2364
			Brother	-,15551	,10518	,304	-,4046	,0936
	Marc	Unrelated	Brother	,14286	,22036	,794	-,3790	,6647
			Twin	,22163	,21926	,571	-,2976	,7408
		Brother	Unrelated	-,14286	,22036	,794	-,6647	,3790
			Twin	,07878	,21926	,931	-,4404	,5980
		Twin	Unrelated	-,22163	,21926	,571	-,7408	,2976
			Brother	-,07878	,21926	,931	-,5980	,4404
	Donor	Unrelated	Brother	-,18367	,14682	,425	-,5314	,1640
			Twin	-,11510	,14609	,711	-,4610	,2308
		Brother	Unrelated	,18367	,14682	,425	-,1640	,5314

$\begin{tabular}{ c c c c c c c } \hline Five in the image in$			Twin		,06857	,14609	,886	-,2774	,4145
$ \begin{tabular}{ c c c c c c c } \hline Parent $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$$			Twin	Unrelated	,11510	,14609	,711	-,2308	,4610
Image: First stateTwin3244924905396-,2653,9143BrotherUnrelated,04082,25031,985,5519,6336Twin,36531,24905,310,2245,9551TwinUnrelated,32449,24905,396,9143,2653ParentMaryUnrelatedBrother,02000,09935,978,2153,2553BrotherUnrelated,02000,09935,978,2553,2153BrotherUnrelated,01583,10038,986,2219,2535BrotherUnrelated,01583,10038,932,2735,2113Image: Twin,03583,10038,932,2219,2535Brother,03583,10038,932,2219,2535Brother,03583,10038,932,2019,2735MarcUnrelated,01583,10038,932,2019,2735Brother,03583,10038,932,2019,2735Brother,03583,10038,932,2609,9809MarcUnrelated,4200,2550,241,10345Image: Twin,36000,26218,010,1591,10409Image: Twin,36000,26218,010,1591,9809Image: Twin,36000,26218,010,14009,1591Image: Twin,36000,26218,010,14009,2501Image: Twin				Brother	-,06857	,14609	,886	-,4145	,2774
$ \begin{tabular}{ c c c c c c c } \hline Parent $$ $ $ $ $ $ $ $ $ $ $ $ $ $ $ $ $ $ $		Doctor	Unrelated	Brother	-,04082	,25031	,985	-,6336	,5519
$\begin{tabular}{ c c c c c c c } \hline Twin & 1,36531 & .24905 & .310 & .2245 & .9551 \\ \hline Twin & Unrelated & .32449 & .24905 & .396 & .9143 & .2653 \\ \hline Brother & .36531 & .24905 & .310 & .9551 & .2245 \\ \hline Nary & Unrelated & Brother & .02000 & .09935 & .978 & .2153 & .2553 \\ \hline Twin & .01583 & .10038 & .986 & .2535 & .2219 \\ \hline Brother & Unrelated & .02000 & .09935 & .978 & .2553 & .2153 \\ \hline Twin & .03583 & .10038 & .932 & .2735 & .2019 \\ \hline Twin & .03583 & .10038 & .932 & .2219 & .2535 \\ \hline Twin & .03583 & .10038 & .932 & .2219 & .2535 \\ \hline Twin & .01583 & .10038 & .938 & .2219 & .2535 \\ \hline Twin & .01583 & .10038 & .938 & .2219 & .2535 \\ \hline Twin & .03583 & .10038 & .938 & .2219 & .2535 \\ \hline Twin & .03583 & .10038 & .932 & .2019 & .2735 \\ \hline Marc & Unrelated & .01583 & .10038 & .932 & .2019 & .2735 \\ \hline Twin & .78000 & .25950 & .241 & .10345 & .10345 \\ \hline Twin & .78000 & .26218 & .010 & .1591 & .14009 \\ \hline Brother & Unrelated & .78000 & .26218 & .010 & .1591 & .14009 \\ \hline Twin & .36000 & .26218 & .358 & .2609 & .9809 \\ \hline Twin & Unrelated & .78000 & .26218 & .010 & .14009 & .1591 \\ \hline Twin & .36000 & .26218 & .358 & .9809 & .2609 \\ \hline Donor & Unrelated & .78000 & .26185 & .002 & .15126 & .2724 \\ \hline Brother & .36000 & .25916 & .082 & .11737 & .0537 \\ \hline Twin & .89250 & .26185 & .002 & .15126 & .2724 \\ \hline Brother & Unrelated & .56000 & .25916 & .082 & .0537 & .11737 \\ \hline Twin & .33250 & .26185 & .415 & .9526 & .2876 \\ \hline \ \end{tabular}$				Twin	,32449	,24905	,396	-,2653	,9143
$ \frac{{\rm Twin}}{{\rm Nerr}} = \frac{{\rm Unrelated}}{{\rm Brother}} = -,32449 + 2,4905 + ,396 + ,9143 + ,2653 + ,2245 + ,2245 + ,2245 + ,22455 + ,2245 + ,$			Brother	Unrelated	,04082	,25031	,985	-,5519	,6336
Brother -,36531 ,24905 ,310 -,9551 ,2245 Parent Mary Unrelated Brother ,02000 ,09935 ,978 ,2153 ,2553 Twin -,01583 ,10038 ,986 ,2535 ,2219 Brother Unrelated -,02000 ,09935 ,978 ,2553 ,2153 Twin -,03583 ,10038 ,986 ,2535 ,2199 ,2535 ,2199 Twin -,03583 ,10038 ,986 -,2219 ,2535 ,2019 Twin -,03583 ,10038 ,986 -,2219 ,2535 Brother ,03583 ,10038 ,986 -,2219 ,2535 Marc Unrelated ,01583 ,10038 ,932 -,2019 ,2735 Marc Unrelated Brother ,42000 ,25950 ,241 ,1,0345 Marc Unrelated -,42000 ,26218 ,010 ,1591 1,4009 Twin				Twin	,36531	,24905	,310	-,2245	,9551
$\begin{tabular}{ c c c c c c } \hline Parent $$ Mary $$ Mary $$ Unrelated $$ Brother $$ -,01583 $$,000 $$,078 $$,978 $$ -,2153 $$,2219 $$ $$ Twin $$ -,01583 $$,10038 $$,986 $$ -,2219 $$ $$,2153 $$ $$ Twin $$ -,03583 $$,10038 $$,932 $$ -,2735 $$,2019 $$ $$ Twin $$ -,03583 $$,10038 $$,932 $$ -,2735 $$,2019 $$ $$ Twin $$ -,03583 $$,10038 $$,932 $$ -,2735 $$$ $$,2019 $$ $$ $$ Twin $$ -,03583 $$,10038 $$,932 $$ -,2019 $$ $$,2535 $$ $$ $$ Brother $$ 0,03583 $$,10038 $$,932 $$ -,2019 $$$,2735 $$$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$			Twin	Unrelated	-,32449	,24905	,396	-,9143	,2653
$\begin{tabular}{ c c c c c c } \hline Fwin & -,01583 & ,10038 & ,986 & -,2535 & ,2219 \\ \hline Brother & Unrelated & -,02000 & ,09935 & ,978 & -,2553 & ,2019 \\ \hline Twin & -,03583 & ,10038 & ,932 & -,2735 & ,2019 \\ \hline Twin & Unrelated & ,01583 & ,10038 & ,932 & -,2735 & ,2019 \\ \hline Twin & 0,03583 & ,10038 & ,932 & -,2019 & ,2735 \\ \hline Marc & Unrelated & Frother & ,03583 & ,10038 & ,932 & -,2019 & ,2735 \\ \hline Marc & Unrelated & Brother & ,42000 & ,25950 & ,241 & -,1945 & 1,0345 \\ \hline Twin & 7,8000^{\circ} & ,26218 & ,010 & ,1591 & 1,4009 \\ \hline Brother & Unrelated & -,42000 & ,25950 & ,241 & -1,0345 & ,1945 \\ \hline Twin & 3,6000 & ,26218 & ,358 & -,2609 & ,9809 \\ \hline Twin & 3,6000 & ,26218 & ,358 & -,2609 & ,9809 \\ \hline Twin & 0,78000^{\circ} & ,26218 & ,358 & -,9809 & ,2609 \\ \hline Donor & Unrelated & -,56000 & ,25916 & ,082 & -1,1737 & ,0537 \\ \hline Twin & -,89250^{\circ} & ,26185 & ,002 & -1,5126 & -,2724 \\ \hline Brother & Unrelated & ,56000 & ,25916 & ,082 & -,0537 & 1,1737 \\ \hline Twin & -,33250 & ,26185 & ,415 & -,9526 & ,2876 \\ \hline \end{tabular}$				Brother	-,36531	,24905	,310	-,9551	,2245
Brother Unrelated -,0200 ,09935 ,978 -,2553 ,2153 Twin -,03583 ,10038 ,932 -,2735 ,2019 Twin Unrelated ,01583 ,10038 ,986 -,2219 ,2535 Brother ,03583 ,10038 ,986 -,2219 ,2535 Marc Unrelated Brother ,03583 ,10038 ,986 -,2219 ,2735 Marc Unrelated Brother ,03583 ,10038 ,986 -,2219 ,2735 Marc Unrelated Brother ,03583 ,10038 ,986 -,2219 ,2735 Marc Unrelated Brother ,42000 ,25950 ,241 -,1945 1,0345 Twin ,78000' ,26218 ,010 ,1591 1,4009 Twin ,36000 ,26218 ,010 -1,4009 -,1591 Brother Unrelated -,78000' ,26218 ,082 -,1737 ,0537	Parent	Mary	Unrelated	Brother	,02000	,09935	,978	-,2153	,2553
Twin -,03583 ,10038 ,932 -,2735 ,2019 Twin Unrelated ,01583 ,10038 ,986 -,2219 ,2535 Brother ,03583 ,10038 ,932 -,2019 ,2735 Marc Unrelated Brother ,42000 ,25950 ,241 -,1945 1,0345 Twin ,78000* ,26218 ,010 ,1591 1,4009 Twin ,36000 ,26218 ,358 -,2609 ,9809 Twin Unrelated -,78000* ,26218 ,010 -1,4009 -,1591 Brother Unrelated -,76000 ,26218 ,082 -,1737 ,0537				Twin	-,01583	,10038	,986	-,2535	,2219
Twin Unrelated ,01583 ,10038 ,986 -,2219 ,2535 Brother ,03583 ,10038 ,932 -,2019 ,2735 Marc Unrelated Brother ,42000 ,25950 ,241 -,1945 1,0345 Marc Unrelated Brother ,42000 ,25950 ,241 -,1945 1,0345 Marc Unrelated -,42000 ,25950 ,241 -,1945 1,0345 Brother Unrelated -,42000 ,25950 ,241 -,1945 1,4009 Brother Unrelated -,42000 ,25950 ,241 -,1945 ,1945 Twin ,36000 ,26218 ,010 -,1591 ,9809 ,2609 ,9809 ,2609 <t< td=""><td></td><td></td><td>Brother</td><td>Unrelated</td><td>-,02000</td><td>,09935</td><td>,978</td><td>-,2553</td><td>,2153</td></t<>			Brother	Unrelated	-,02000	,09935	,978	-,2553	,2153
Brother ,03583 ,10038 ,932 -,2019 ,2735 Marc Unrelated Brother ,42000 ,25950 ,241 -,1945 1,0345 Twin ,78000* ,26218 ,010 ,1591 1,4009 Brother Unrelated -,42000 ,25950 ,241 -1,0345 ,1945 Twin ,36000 ,26218 ,010 ,1591 1,4009 Twin ,36000 ,26218 ,358 -,2609 ,9809 Twin ,36000 ,26218 ,010 -1,4009 -,1591 Brother Unrelated -,78000* ,26218 ,010 -1,4009 -,1591 Brother -,36000 ,26218 ,010 -1,4009 -,1591 Donor Unrelated Brother -,36000 ,26218 ,010 -1,4009 -,2724 Donor Unrelated Brother -,36000 ,25916 ,082 -,0537 1,1737 Twin -,33250				Twin	-,03583	,10038	,932	-,2735	,2019
Marc Unrelated Brother ,42000 ,25950 ,241 -,1945 1,0345 Twin ,78000* ,26218 ,010 ,1591 1,4009 Brother Unrelated -,42000 ,25950 ,241 -1,0345 ,1945 Twin ,78000* ,26218 ,010 ,1591 1,4009 Twin ,36000 ,26218 ,358 -,2609 ,9809 Twin ,36000 ,26218 ,010 -1,4009 -,1591 Brother Unrelated -,78000* ,26218 ,010 -1,4009 -,1591 Brother -,36000 ,26218 ,010 -1,4009 -,1591 Brother -,36000 ,26218 ,010 -1,4009 -,1591 Donor Unrelated -,78000* ,26218 ,082 -,1737 ,0537 Twin -,89250* ,26185 ,002 -1,5126 -,2724 Brother Unrelated ,56000 ,25916 ,082			Twin	Unrelated	,01583	,10038	,986	-,2219	,2535
Twin ,78000* ,26218 ,010 ,1591 1,4009 Brother Unrelated -,42000 ,25950 ,241 -1,0345 ,1945 Twin ,36000 ,26218 ,358 -,2609 ,9809 Twin ,36000 ,26218 ,010 -1,4009 -,1591 Twin ,36000 ,26218 ,010 -1,4009 -,1591 Brother Unrelated -,78000* ,26218 ,010 -1,4009 -,1591 Brother -,36000 ,26218 ,010 -1,4009 -,1591 Brother -,36000 ,26218 ,010 -1,4009 -,1591 Brother -,36000 ,26218 ,010 -1,4009 -,1591 Brother Unrelated -,56000 ,25916 ,082 -1,1737 ,0537 Brother Unrelated ,56000 ,25916 ,082 -,0537 1,1737 Twin -,33250 ,26185 ,415 -,9526 ,2876 <				Brother	,03583	,10038	,932	-,2019	,2735
Brother Unrelated -,42000 ,25950 ,241 -1,0345 ,1945 Twin ,36000 ,26218 ,358 -,2609 ,9809 Twin Unrelated -,78000* ,26218 ,010 -1,4009 -,1591 Brother -,36000 ,26218 ,010 -1,4009 -,1591 Donor Unrelated -,78000* ,26218 ,082 -1,1737 ,0537 Donor Unrelated Brother -,56000 ,25916 ,082 -1,5126 -,2724 Brother Unrelated ,56000 ,25916 ,082 -,0537 1,1737 Twin -,33250 ,26185 ,002 -,0537 1,1737		Marc	Unrelated	Brother	,42000	,25950	,241	-,1945	1,0345
Twin ,36000 ,26218 ,358 -,2609 ,9809 Twin Unrelated -,78000* ,26218 ,010 -1,4009 -,1591 Brother -,36000 ,26218 ,358 -,9809 ,2609 Donor Unrelated Brother -,36000 ,26218 ,010 -1,4009 -,1591 Donor Unrelated Brother -,36000 ,26218 ,082 -1,1737 ,0537 Twin -,89250* ,26185 ,002 -1,5126 -,2724 Brother Unrelated ,56000 ,25916 ,082 -,0537 1,1737 Twin -,33250 ,26185 ,415 -,9526 ,2876				Twin	,78000*	,26218	,010	,1591	1,4009
Twin Unrelated -,78000* ,26218 ,010 -1,4009 -,1591 Brother -,36000 ,26218 ,358 -,9809 ,2609 Donor Unrelated Brother -,56000 ,25916 ,082 -1,1737 ,0537 Donor Unrelated Brother -,89250* ,26185 ,002 -1,5126 -,2724 Brother Unrelated ,56000 ,25916 ,082 -,0537 1,1737 Win -,33250 ,26185 ,002 -,0537 1,1737 Twin -,33250 ,26185 ,415 -,9526 ,2876			Brother	Unrelated	-,42000	,25950	,241	-1,0345	,1945
Brother -,36000 ,26218 ,358 -,9809 ,2609 Donor Unrelated Brother -,56000 ,25916 ,082 -1,1737 ,0537 Twin -,89250* ,26185 ,002 -1,5126 -,2724 Brother Unrelated ,56000 ,25916 ,082 -,0537 1,1737 Twin -,33250 ,26185 ,415 -,9526 ,2876				Twin	,36000	,26218	,358	-,2609	,9809
Donor Unrelated Brother -,56000 ,25916 ,082 -1,1737 ,0537 Twin -,89250* ,26185 ,002 -1,5126 -,2724 Brother Unrelated ,56000 ,25916 ,082 -,0537 1,1737 Twin -,33250 ,26185 ,415 -,9526 ,2876			Twin	Unrelated	-,78000*	,26218	,010	-1,4009	-,1591
Twin -,89250* ,26185 ,002 -1,5126 -,2724 Brother Unrelated ,56000 ,25916 ,082 -,0537 1,1737 Twin -,33250 ,26185 ,415 -,9526 ,2876				Brother	-,36000	,26218	,358	-,9809	,2609
Brother Unrelated ,56000 ,25916 ,082 -,0537 1,1737 Twin -,33250 ,26185 ,415 -,9526 ,2876		Donor	Unrelated	Brother	-,56000	,25916	,082	-1,1737	,0537
Twin -,33250 ,26185 ,415 -,9526 ,2876				Twin	-,89250*	,26185	,002	-1,5126	-,2724
			Brother	Unrelated	,56000	,25916	,082	-,0537	1,1737
Twin Unrelated .89250 [*] .26185 .002 .2724 1.5126				Twin	-,33250	,26185	,415	-,9526	,2876
			Twin	Unrelated	,89250 [*]	,26185	,002	,2724	1,5126

			Brother	,33250	,26185	,415	-,2876	,9526
	Doctor	Unrelated	Brother	,06000	,07496	,703	-,1175	,2375
			Twin	-,02667	,07573	,934	-,2060	,1527
		Brother	Unrelated	-,06000	,07496	,703	-,2375	,1175
			Twin	-,08667	,07573	,488	-,2660	,0927
		Twin	Unrelated	,02667	,07573	,934	-,1527	,2060
			Brother	,08667	,07573	,488	-,0927	,2660
Child	Mary	Unrelated	Brother	-,05686	,07966	,756	-,2455	,1317
			Twin	,05882	,07927	,739	-,1288	,2465
		Brother	Unrelated	,05686	,07966	,756	-,1317	,2455
			Twin	,11569	,07966	,317	-,0729	,3043
		Twin	Unrelated	-,05882	,07927	,739	-,2465	,1288
			Brother	-,11569	,07966	,317	-,3043	,0729
	Marc	Unrelated	Brother	,92275 [*]	,26274	,002	,3008	1,5447
			Twin	,80392 [*]	,26143	,007	,1850	1,4228
		Brother	Unrelated	-,92275*	,26274	,002	-1,5447	-,3008
			Twin	-,11882	,26274	,893	-,7408	,5032
		Twin	Unrelated	-,80392*	,26143	,007	-1,4228	-,1850
			Brother	,11882	,26274	,893	-,5032	,7408
	Donor	Unrelated	Brother	-1,23647*	,23673	<,001	-1,7969	-,6760
			Twin	-,88235*	,23556	<,001	-1,4400	-,3247
		Brother	Unrelated	1,23647*	,23673	<,001	,6760	1,7969
			Twin	,35412	,23673	,296	-,2063	,9145
		Twin	Unrelated	,88235 [*]	,23556	<,001	,3247	1,4400
			Brother	-,35412	,23673	,296	-,9145	,2063
	Doctor	Unrelated	Brother	-,06196	,09838	,804	-,2949	,1709

	Twin	-,13725	,09789	,342	-,3690	,0945
Brothe	r Unrelated	,06196	,09838	,804	-,1709	,2949
	Twin	-,07529	,09838	,725	-,3082	,1576
Twin	Unrelated	,13725	,09789	,342	-,0945	,3690
	Brother	,07529	,09838	,725	-,1576	,3082

ANOVA 2

		4					
			Sum of		Mean		
Genetic_ca	at		Squares	df	Square	F	Sig.
Unrelated	Mary	Between Groups	1,760	2	,880	3,873	,023
		Within Groups	33,413	147	,227		
		Total	35,173	149			
	Marc	Between Groups	134,747	2	67,374	47,663	<,001
		Within Groups	207,793	147	1,414		
		Total	342,540	149			
	Donor	Between Groups	90,820	2	45,410	34,649	<,001
		Within Groups	192,653	147	1,311		
		Total	283,473	149			
	Doctor	Between Groups	40,380	2	20,190	36,613	<,001
		Within Groups	81,060	147	,551		
		Total	121,440	149			
Brother	Mary	Between Groups	,399	2	,200	,881	,416
		Within Groups	33,051	146	,226		
		Total	33,450	148			
	Marc	Between Groups	91,377	2	45,689	29,301	<,001

Supplemental	material
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Within Groups	227,656	146	1,559		
Total	319,034	148			
Between Creune	56 207	2	20 151	07 011	ſ

				1,000		
	Total	319,034	148			
Donor	Between Groups	56,307	2	28,154	27,811	<,001
	Within Groups	147,800	146	1,012		
	Total	204,107	148			
Doctor	Between Groups	43,297	2	21,649	31,002	<,001
	Within Groups	101,951	146	,698		
	Total	145,248	148			
Mary	Between Groups	1,892	2	,946	4,200	,017
	Within Groups	32,887	146	,225		
	Total	34,779	148			
Marc	Between Groups	71,116	2	35,558	21,555	<,001
	Within Groups	240,844	146	1,650		
	Total	311,960	148			
Donor	Between Groups	27,539	2	13,769	10,557	<,001
	Within Groups	190,421	146	1,304		
	Total	217,960	148			
Doctor	Between Groups	16,301	2	8,151	12,352	<,001
	Within Groups	96,343	146	,660		
	Total	112,644	148			
	Doctor Mary Marc Donor	DonorBetween GroupsWithin GroupsTotalDoctorBetween GroupsWithin GroupsTotalMaryBetween GroupsWithin GroupsTotalMarcBetween GroupsWithin GroupsTotalMarcBetween GroupsWithin GroupsTotalDonorBetween GroupsWithin GroupsTotalDonorBetween GroupsWithin GroupsTotalDoctorBetween GroupsWithin GroupsWithin GroupsWithin Groups	DonorBetween Groups56,307Within Groups147,800Total204,107DoctorBetween Groups43,297Within Groups101,951Total145,248MaryBetween Groups1,892Within Groups32,887Total34,779MarcBetween Groups71,116Within Groups240,844Total311,960DonorBetween Groups27,539Within Groups190,421Total217,960DoctorBetween Groups16,301Within Groups96,343	Donor Between Groups 56,307 2 Within Groups 147,800 146 Total 204,107 148 Doctor Between Groups 43,297 2 Within Groups 101,951 146 Total 145,248 148 Mary Between Groups 1,892 2 Within Groups 32,887 146 Total 34,779 148 Mary Between Groups 71,116 2 Within Groups 240,844 146 Total 311,960 148 Donor Between Groups 27,539 2 Within Groups 190,421 146 Total 311,960 148 Donor Between Groups 190,421 146 Total 217,960 148 Doctor Between Groups 16,301 2 Within Groups 96,343 146	Donor Between Groups 56,307 2 28,154 Within Groups 147,800 146 1,012 Total 204,107 148 Doctor Between Groups 43,297 2 21,649 Within Groups 101,951 146 ,698 Total 145,248 148 Mary Between Groups 1,892 2 ,946 Within Groups 32,887 146 ,225 Total 34,779 148 Mary Between Groups 71,116 2 35,558 Within Groups 240,844 146 1,650 Total 311,960 148 Donor Between Groups 27,539 2 13,769 Within Groups 190,421 146 1,304 Total 217,960 148 Donor Between Groups 16,301 2 8,151 Within Groups 96,343 146 ,660 <	Donor Between Groups 56,307 2 28,154 27,811 Within Groups 147,800 146 1,012

J Med Ethics

			Tukey H	ISD				
			(1)	Mean			95% Co	nfidence rval
	Demonstrat	(I)	(J)		0.11			
O and the set	Dependent		Formulation	Difference	Std.	0.	Lower	Upper
Genetic_cat	•	_cat	_cat	(I-J)	Error	Sig.	Bound	Bound
Unrelated	Mary	Reproduce	Parent	-,24735*	,09584	,029	-,4743	-,0204
			Child	-,21048	,09537	,073	-,4363	,0153
		Parent	Reproduce	,24735*	,09584	,029	,0204	,4743
			Child	,03686	,09488	,920	-,1878	,2615
		Child	Reproduce	,21048	,09537	,073	-,0153	,4363
			Parent	-,03686	,09488	,920	-,2615	,1878
	Marc	Reproduce	Parent	-2,19837*	,23900	<,001	-2,7642	-1,6325
			Child	-1,78111*	,23783	<,001		-1,2180
		Parent	Reproduce	2,19837*	,23900	<,001	1,6325	2,7642
			Child	,41725	,23662	,186	-,1430	,9775
		Child	Reproduce	1,78111*	,23783	<,001	1,2180	2,3442
			Parent	-,41725	,23662	,186	-,9775	,1430
	Donor	Reproduce	Parent	1,82490*	,23012	<,001	1,2800	2,3698
			Child	1,42137*	,22901	<,001	,8792	1,9636
		Parent	Reproduce	-1,82490*	,23012	<,001	-2,3698	-1,2800
			Child	-,40353	,22783	,183	-,9430	,1359
		Child	Reproduce	-1,42137*	,22901	<,001	-1,9636	-,8792
			Parent	,40353	,22783	,183	-,1359	,9430
	Doctor	Reproduce	Parent	1,08449*	,14927	<,001	,7311	1,4379
			Child	1,12645*	,14855	<,001	,7747	1,4782
		Parent	Reproduce	-1,08449*	,14927	<,001	-1,4379	-,7311
			Child	,04196	,14779	,957	-,3080	,3919
		Child	Reproduce	-1,12645*	,14855	<,001	-1,4782	-,7747
			Parent	-,04196	,14779	,957	-,3919	,3080

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Brother	Mary	Reproduce	Parent	-,08449	,09564	,652	-,3110	,1420
			Child	-,12449	,09564	,397	-,3510	,1020
		Parent	Reproduce	,08449	,09564	,652	-,1420	,3110
			Child	-,04000	,09516	,907	-,2653	,1853
		Child	Reproduce	,12449	,09564	,397	-,1020	,3510
			Parent	,04000	,09516	,907	-,1853	,2653
	Marc	Reproduce	Parent	-1,92122*	,25101	<,001	-2,5156	-1,3269
			Child -1,00122 [*] ,28	,25101	<,001	-1,5956	-,4069	
		Parent	Reproduce	1,92122*	,25101	<,001	1,3269	2,5156
			Child	,92000*	,24974	<,001	,3286	1,5114
		Child	Reproduce	1,00122*	,25101	<,001	,4069	1,5956
			Parent	-,92000*	,24974	<,001	-1,5114	-,3286
	Donor	Reproduce	Parent	1,44857*	,20225	<,001	,9697	1,9275
			Child	,36857	,20225	,166	-,1103	,8475
		Parent	Reproduce	-1,44857*	,20225	<,001	-1,9275	-,9697
			Child	-1,08000*	,20123	<,001	-1,5565	-,6035
		Child	Reproduce	-,36857	,20225	,166	-,8475	,1103
			Parent	1,08000*	,20123	<,001	,6035	1,5565
	Doctor	Reproduce	Parent	1,18531*	,16798	<,001	,7876	1,5831
		·	Child	1,10531*	,16798	<,001	,7076	1,5031
		Parent	Reproduce	-1,18531*	,16798	<,001	-1,5831	-,7876
			Child	-,08000	,16713	,881	-,4757	,3157
		Child	Reproduce	-1,10531*	,16798	<,001	-1,5031	-,7076
			Parent	,08000	,16713	,881	-,3157	,4757
Twin	Mary	Reproduce	Parent	-,27583*	,09590	,013	-,5029	-,0487
	mary	. top: 0 didoo						,0593
			Child	-,16431	,09445	,194	-,3880	,0

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		Parent	Reproduce	,27583 [*]	,09590	,013	,0487	,5029
			Child	,11152	,09544	,474	-,1145	,3375
		Child	Reproduce	,16431	,09445	,194	-,0593	,3880
			Parent	-,11152	,09544	,474	-,3375	,1145
	Marc	Reproduce	Parent	-1,64000*	,25954	<,001	-2,2545	-1,0255
			Child	-1,19882*	,25561	<,001	-1,8041	-,5936
		Parent	Reproduce	1,64000*	,25954	<,001	1,0255	2,2545
			Child	,44118	,25829	,206	-,1704	1,0528
		Child	Reproduce	1,19882*	,25561	<,001	,5936	1,8041
			Parent	-,44118	,25829	,206	-1,0528	,1704
	Donor	Reproduce	Parent	1,04750*	,23077	<,001	,5011	1,5939
			Child	,65412 [*]	,22729	,013	,1159	1,1923
		Parent	Reproduce	-1,04750 [*]	,23077	<,001	-1,5939	-,5011
			Child	-,39338	,22966	,204	-,9372	,1504
		Child	Reproduce	-,65412 [*]	,22729	,013	-1,1923	-,1159
			Parent	,39338	,22966	,204	-,1504	,9372
	Doctor	Reproduce	Parent	,73333 [*]	,16415	<,001	,3446	1,1220
			Child	,66471 [*]	,16167	<,001	,2819	1,0475
		Parent	Reproduce	-,73333 [*]	,16415	<,001	-1,1220	-,3446
			Child	-,06863	,16336	,907	-,4554	,3182
		Child	Reproduce	-,66471*	,16167	<,001	-1,0475	-,2819
			Parent	,06863	,16336	,907	-,3182	,4554

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