

## **Tabulated Data for English Men of Science**

### **Publication/Creation**

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GALTON/2/4/2/3

Sheep  
head bones  
sorted & clipped  
Every 1/2 lb of head

		No. of pages in which they are remarked		Elv	
1	Practical business habits	39		✓	Spottiswood, Play A Gibbons, Strachey, Ball, Darn
2	Steadiness	35		✓	Swain, Farkle, Gunter, Hooker, Huxley, Lubbock, Packer, Sage, Hill, <del>James</del> etc.
3	{ Curiosity about facts	26	or 15 distinctly		
4		26	✓		
5	Music	18			
6	Religious bias	17		✓	
7	Discipline & order	16			
8	{ Social affections	14		✓	
9		14			
10		14			
11		14			
12	Public spirit	12			
13	Forethought	8			
14	Constructiveness of imagination	7			
15	{ Impulsive emotions	5			
16		5			

Public Speaking

Chord Total

1 page large headed folded 2 inches from end later  
1 minute to read slowly.

F.2ar

		Opening statement; - what I have done, <sup>(Chosen)</sup> why General characters - ratio to pop <sup>n</sup> - age, temperament circumference of head, birth place, nationality
	4	
	8	Statistical Scale
5	6	Vigour: Energy - health.
8	10	Moral: - Independence - steadiness - practical business - <del>vs</del> <del>impulsiveness</del> partisanship - impulsiveness
3	6	Intellectual: <sup>Instinctive tastes</sup> - memory - mechanics.
4	5	Origin of tastes other than instinctive
3	5	Education
	4	Paternal & maternal influences
5	5	Heredit <sup>y</sup> - theory
5	5	facts - fertility
2	2	marriage selection
	2	Conclusion.
23	60	



\* very high  
 x high  
 ✓ fair  
 - negation  
 o none

Mechan-  
 -isms

Practical  
 business  
 habits  
 in house  
 -hold

music

mathe-  
 matics

Impul-  
 -siveness

Steadi-  
 -ness

strong  
 feelings

hardness  
 -ship

1207

T M

F M

F M

F M

Andrew

Brooke

Curriallan

De la Rue

Evans Capt.

Forster

Grove

Haughton

Hirst

o Laffell

Maier

Maxwell

o Miller

(Salisbury)

Scott

o Smyth Piazzi

Spottiswood

Stewart

Strachey

Smith Arch

Phillips

Rope

100

43

31

42

11

22

31

12

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f.2br

Society for the Encouragement of Arts, Manufactures & Commerce.

JOHN STREET, ADELPHI, W.C.  
LONDON.



A F R I C A N   S E C T I O N .

*On Friday Evening January 30th, the Opening Meeting of this Section will be held at Eight o'clock, when an Inaugural Address will be delivered by THE RIGHT HONOURABLE SIR BARTLE FRERE, P.C., K.C.B.*

ADMIT BEARER AND FRIENDS.

By Order,

*Wm Foster*  
*Secy*

Pres Brit Afr

f.2bv

A	Groce	0+6'
	Phillips	0+6'
B	Williamson H W	
	Carpenter	
	(Darrow)	Camb
C	Hooker	
	Huckley	
	(Lubbock)	
	Owen	
G	Armstrong	
	Fairbairn	
	Sabine	

+ B. Murchison

R. W. Thomson

+ Herschel

+ Robinson

+ Brewster

Living

Lord

+ W. M.

Smith

Stokes

Wade

[illegible]

	Niecha- m. can	Niecha- br. schief kabel	Niechi	Niechi- mation	Impul- -m. schief	Ständi- -m. schief <small>Ständi- -m. schief</small>	Sting feeling	hantisa- ship
Buckton	*	*	x x		o	x		
Sebus						*		
Gladstone						x *		-
Harcourt								
Lawes	x x x x	x	x			x *	x	x
Mackelgus								
Roscoe								
Stenhouse								
Voelcker								
Williamson A. W.						x x		
Yorke								
Playfair		* *						

Social affection family & so	Religious beliefs thought	Love of new marvels	Curiosity about facts	Love of pursuit	Construct- iveness imagin-	Forth- right	Public Spirit	Disin- terested self	f. 45
	x	x	-						anti-mate- rialistic
	x	x	x	x	x			x	
			x						
x	x	x	x					x	Conspicuous Gaudiness showing wealth - display of refinement to brother
	x								Strong sense of duty
x				x				x	Love of public work

	mecha- -nom	Medical business Kobits	mecha- -nom	mecha- -nom	Impul- -siveness	Steadi- -ness <i>pherson</i>	strong feelings	harshness -ship	44
Antel		X X	0	✓	✓				
o Egerton									
Evans J	* X	*	X			X		0	
Forbes		*				* X	X		
o Jones									
Prestwich			X		X X	X	X X		
Ramsey		X X * X	X						
Smyth, Warr	X	X	X			X	X	X	
Alderson			0						
Alman									
o Babington									
Balfour JH		X			X X		X X		
Ball	0 ✓	* ✓	* ✓ 0		X			X	
Barton		X	0			X			
o Baleman J									
Bertham									
o Bowman		X							
Carpenter	* X	X *	X ✓						

[illegible]

	Mecha- nim	Practi- cal Busch	Music	Malte- mutter	Imph- sive- ness	Steady- ness	String feeling	Parti- sanish	FSV
Carter						x			
Cobbold			x	✓	x	x			
Currey									
Darwin		* *				*			
Farre	* o	x -	✓						
Ferguson	*		x			*			
Flower									
Fox	x				x				
Goag	x	x x				x			
Günter		*	✓			*			
Heathlow	x	x x	✓			x			
Hooker		* *	✓			x			
Humphry									
Huxley	*	x	x		x	x		*	
Jebbey		x	✓						
Lubbock		*		x					
Marshall		x				x			
Miers	x	x x							
Mivart									
Newton			x	x					
Owen									
Page		x x	x		o	x		x	x

Social affection family	religion was thought	loving heart mercy	curious about facts	love of humor	constant thought of imagination	poor sight	public spirit	other things
-------------------------------	----------------------------	--------------------------	---------------------------	---------------------	--	---------------	------------------	-----------------

x

~~xx~~ o

Not  
shaking

\*

x

x ✓

\* x

x

✓

x

x

o

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x x

x

x

x

x

x

x

x

x

x

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hasty  
temper  
not  
shaking

x

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x

x

x

x

x

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x o

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✓

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x ✓

x

x

x

x

x

x

x

not  
large  
brained  
spirit  
shaking

x x

x

x

x

x

not  
shaking

	Hecker- -nice	Practicing business habits	Musical	Walking nature	Trustful- -society	Steady- -neph	Strong feeling	Partisan ship	Flw
Parker		X			o	X			
Parker								o	
Sanderson	X					X			
Schlotter		<i>Quell</i>							
Shenker		X	X	X	o	X	X		
Stokes		X	X	X		X	X	o	
Thomson	X	X	X	X	X	X		X	
Watson									
Williamson Ac.	X	X	X			X	X		
Back Osborn		X			X	X	X	X	
Balfour Tg									
Greg	X	X	o						
Halterly									
Hegwood									
Hill	X	X	X		X		X	X	
Jeorns	X	X	X	X		X	X	X	
Newmarch		X	✓		X	X		o	
Guy			o						

[illegible]

	Mechan- -ics	Pract. business habits	Music	Mathe- -matics	Imagin- -ation	Steady- -ness	Strong feelings	Partisan- -ship
Armstrong	*0			0 X		X		
Bateman J. F.	X		0 X X					
Fairbairn						*		
Galtin &	X	* X ✓	0 - X		*	X		
Jenkins			X	X				
Merrifield	X	X X X	X	X		X X		X
Pole		X X X		X		X X		
Siemens	X	X						

Say 17 out of the 101  
sent imperfect reports  
leaving 84 good  
take percentages as  
n: 84 :: 2: 10

	3 or 4	1	5	8-11	15-16	2	15-16	17-18
Grand Total	26	39	18	14	5	35	5	3
n: 84 :: 2: 10) k =	3	5	2	2	1/2	4	1/2	1/3

Social affection family	Believe was	Love of new marvels	Curiosity about Facts	Love of pursuit	Imaginative - lively + Imaginative	Forethought	Public - spirit	Grades to select - well	f3r
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X		X		X	X		X X		pub speaking 3 qualities
X	X	X	X						

8-11	6	8-11	3 & 4	8-11	14	13	12	7
14	17	14	26	14	7	5	12	16
2	2	2	3	2	1	1	1	2

Capt Coates. Shollenwood. Planch. Mayfair. Evans /  
Ball. Jarwin. Jane. Knolly. Gunther. Harker.  
Lubbock. Pave. Greg. H.K. Newmarch. (Pole)

Practical business. (include foreign)

men who have made fortunes & superintended local concerns

- 3 A. De La Rue — Spottiswoode. <sup>Egbert</sup> (3) (Grove  
1 B. Lawes (1) (Playfair  
1 C. Evans J. (1) (Forbes, (Prestwich)  
D. Great medical practitioners, Alderman. Bowman Farre Joseph Fox. Humphrey Paget  
Watson (2)

Others - ~~Ball~~. Lubbock (1) (Hosker Ball)

1 E Osborn (1)

F (Hill, Newmarket)

3 G Armstrong, Denton Fairbairn ~~Jenkins~~ Polley Siemens (3)

9+8.

Selected list.

De La Rue - Egbert - Spottiswoode

Lawes

John Evans

Lubbock

Osborn

Armstrong, Fairbairn, Siemens

Quote from. Pole Darwin Strickley Husley (work contracts towards my  
lands - De La Rue)

Huxley I believe I am rehearsed & good chairman at public meetings and I always find that administration & other work gravitates towards my hands - John Cowen says the same thing, and partly accounts for it by his business <sup>which is extremely great & by his</sup> aptitude & ~~facility~~ <sup>quickness</sup> of decision & observation.

J. G. Farrer - my professional life is strictly methodical every working day is <sup>thoroughly</sup> mapped out in hours half hours & quarters. Ball, <sup>I believe</sup> a considerable faculty for the quick dispatch of administrative business. Hall. I think my power of foresight was always strong; by exercise it ~~became~~ eventually became so great as to enable me with extensive & sometimes perfectly novel ~~combinations~~ operations I was called on to undertake, to provide for almost every contingency. Darwin none except the business as evidenced by keeping accounts, regular correspondence & executing many very well; very methodical in my habits. Evans very methodical, excellent business habits, great love of order & instructive habits thereof. Capt. Ewen, I think I have special talent for the practical business of life, more especially in the application of my acquired knowledge, scientific & other, promptly & effectually in the various duties of my official position - Schaler <sup>in answer to special inquiry</sup>. I believe I may say that my organ of order is highly developed. Of my collection of some 7000 birds every one is always in its place, ticketed with name &c, all by my own hand. I spend much time (perhaps too much) in putting things straight.

Steadiness    De la Rue    Haughton    Hirst    Main    Maxwell  
 Smith    Debus    Gladstone    Laves    Cobbold    Ferguson  
 Gouy    Guntlin    Hendon    Harker    Marshall    Parker  
 Sanderson    Spencer    Slater    Witham    A.C.    Lewis  
 Newman    Armstrong    Fairbairn    Merrifield    Pole

- x De la Rue, a determination never to be unaccomplished  
 a matter once taken in hand.
- Smith Arch. Great steadiness of purpose
- x Hirst Steadiness decidedly marked
- x Main Steadiness of determination, even when the subject  
 is distasteful.
- x Haughton Tenacity of purpose & steady industry
- x Maxwell Great continuity & steadiness
- x Laves Steady & intense perseverance
- x Gladstone I may credit myself with more than the  
 usual amount of - - - & tenacity of purpose

- Debus Steadiness  
 X Loam I - Steady; the course of flight  
Darwin Steadiness  
Hosker Steadiness  
Günther strong steadiness  
 X Gray determination to succeed as far as possible  
 X Williamson we. decided steadiness in definite pursuit  
Jeffrey Steady love of pursuit  
 X Farre In ten consecutive years in earlier life I never  
 took a days holiday  
Bastien steadiness of purpose.  
 10 Ferguson steadiness - determined at 18 years of age to  
 try and excel in surgery  
Hudson remarkable steadiness  
Marshall steadiness  
 X Cobbold very persevering; not discouraged by defeat  
 X Curley Determination to succeed if possible; by motto  
 being "whatever thy hand findeth to do, do it with all thy  
 might" for "the night from sunset in which no man  
 can work"  
Sanderum Great steadiness character  
 X Parker I do all things at a white heat but never tire  
 the pursuit, but I learnt to brook my temperament  
 at 15

x Fry naturally impulsive but steady, cultivated

x Newman considerable steadiness of purpose & character

x Joan continuous pursuit of certain studies from an early age.

x Pole

1 {

x Merriwell - very persistent, cool & strong nerve

x Fairbairn the most prominent are perseverance & industry  
I think --

{

x Armstrong Steadiness & perseverance in the pursuit of an object is my most distinctly marked peculiarity.

## Curious about facts

- Andrews Strongly devoted to scientific objects
- De la Rue Great love for science
- Grove Great want of curiosity about all the ordinary subjects of human life
- Haughton Extreme desire for knowledge of every kind
- Maish Curious about facts
  - Scott Curious about facts
  - Stewart Great curiosity about facts
  - Stokes Tendency towards acquisition of precise knowledge.
  - Phillips Science & knows whatever naturally came before me.
- 
- Gladstone curious about facts
  - Harcourt Chemistry was my earliest taste & the favorite occupation of my holidays
  - Evans J Remarkably strong curiosity about facts
  - Mestwood as a boy, much curious about facts
- ~~Allman~~
- Allman Curious about facts
  - Balfour J H Fond of science from my youth
  - Bartia Love of knowledge
  - Currey Strongly curious about facts connected with the science of botany
  - + Darwin Great curiosity about facts & their meaning
  - + Ferguson Special anxiety about facts

- + Husby Intense desire to know facts
- Marshall very curious about facts
- + Parker - I don't have facts.
- + Sanderson Great interest in teaching of mind

Hall I always took great interest in scientific discovery

- + Jones I often feel a positive pain in hoping an object of which I do not comprehend the meaning & construction.
- + Newman Great curiosity about facts of all sorts.

- Merrifield, curious about facts and caring little for argument

# Mechanics

- Brooke Aptitude in construction ——— self-registering magnetometer
- + Curriant I was noted at school for always learning a trade, such as chair-making; boat building & printing.
- De la Rue very prolific in mechanical inventions
- + Forster as a boy took great delight in watching machinery & workmen and in making mechanical toys . . . . .
- Maxwell strong mechanical power
- Phillips Invention ——— maximum thermometer
- Rospe Fond of machinery & mechanical of all kinds.
- Smith and. Mechanism

- + Buckton Mechanism as theum of construction & reflecting telescope with 12 inch aperture
- Ladner

Loans J. considerable mechanical skill

- + Carpenter Always fond of ~~constructing~~ constructing. School work - name
- + Farre "Archimedes" If I had followed my bent I should have probably been a distinguished & successful as an engineer.
- + Ferguson - Very fond of mechanical contrivances - have often on a child in a child
- + Gray Special love of mechanics - good self taught - . . . . .
- + Henslow Extremely ingenious in devising modes of preserving, exhibiting & explaining the objects of natural history
- + Huxley Strong natural talent for mechanism, music & art in general but all lying waste & uncultivated
- Miers Mechanism
- Sanders Aptitude for mechanism probably attributed to the defective method of my education & my having lived in a foreign country
- + Thomson - a decided turn for mechanical pursuits both in arrangement & construction

- Greg Fond of & much in understanding machinery
- + Hith I always took great interest in mechanical improvement
- + Levens I often feel a positive pain in passing any object  
 of which I do not ~~understand~~ comprehend the meaning &  
 construction
- Armstrong Very strongly marked talent for mechanism & construction
- Galtm & Some mechanical aptitude
- Merrifield ~~Mechanics~~ Ready at contrivances, mechanical  
 & other.
- Seimens, mechanism

Balmain

f. 17 v

Cobbold

Glendon

Wangley

Lewis

Butter

William

Main

St. John

William

Wangley

Parker

Huxley

128

11 +

11 -

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+

Alene Strachy  
De la Rue

+

+

-

-

+

11 11 11

# Religious bias

- + Haughton Strong religious feelings (History of his fellowship)
- Main Strong religious bias - (theological books)
- Maxwell Even to theological ideas & not reticent about them

Buckton Religious views liberal but strongly non-materialistic

- + Gladstone Religious bias of thought ( )
- Lancel great religious bias of thought
- Williamson AW

Allman Religious bias.

Balfour JH much religious bias of thought from early education

Ball Early religious impressions strong (- - - not to quote)

? as to Bateman - - - always inspirational

- + Cobbold Talented religious, formerly in the sacerdotal sense (tract distributor, and vicar of prayer-meetings, bible classes etc)
- + Huxley A profound religious tendency capable of fanaticism but tempered by no less profound religious theological scepticism
- Marshall Big towards natural religion strong, as distinguished from dogma of any kind.
- Parker I have been the more biased to religion in that my father & maternal grandfather being it & did not protest about it. I am personally only
- Stokes Of a religious bias of thought a combination of these two men
- + Williamson AC decided religious bias of thought (Unitarian)

absence of bias  
George & John Ruse  
Starches -

Social affections      Impulsiveness - Strong feelings -

Evans Capt      Tendency toward strong feelings <sup>(in partisanship)</sup> - - - rather than the reverse

Main      Strong social & domestic affections

Arch Smith      - Warmly attached to friends

(Brachey in his father)

Forbes      Strong feelings - no patience

Mettwich      Impulsiveness & perseverance - strong feelings

Allman      Social affections

Balfour J. H.

Verger      Strong friendly feelings; strong social affections

For      <sup>naturally impulsive but steadily cultivated</sup> social affections strong

Huxley      Loves his friends & hates his enemies cordially

Marshall      Social affections strong

Pagitt      <sup>(heartily, as a rule)</sup> strong social affections

A Stokes      Steady with strong feelings, but not a partisan, warm social affections, <sup>slow to make new friendships.</sup>

William      Social affections fervent

~~Walter~~

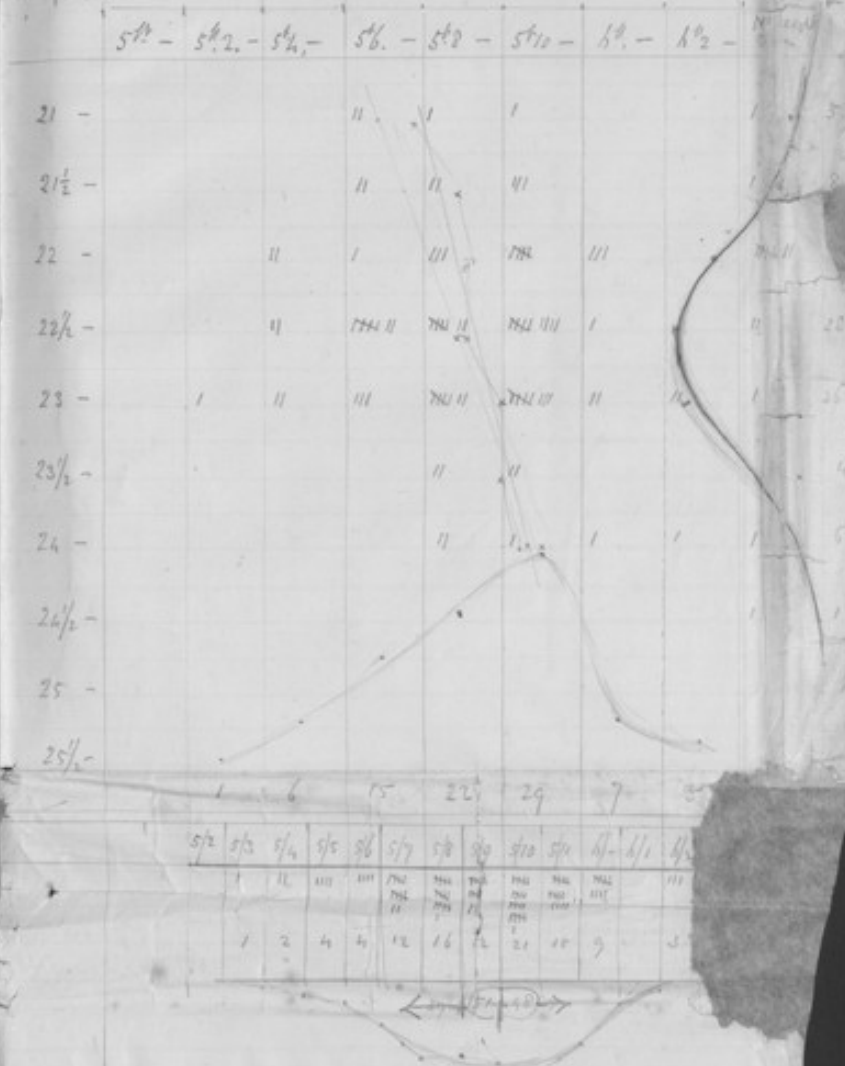
Osborn      Impulsive; of strong feelings & social affections

Pole

for Rad 2<sub>1</sub> incl height  
normal of 2<sub>1</sub> under w. circumfer. of  
2<sub>1</sub>

(width round)  
width of hole

Height



also  
2<sub>1</sub> above Port 2<sub>1</sub>  
(reference)

E = Energy

under 2<sub>1</sub> when circumfer.  
of hole

Gale  
E. Grose  
H. Hirst  
H. Hirst  
H. Hirst  
— Osborn E

E. Hanchin  
H. Hirst  
E. Sabine —

E. Richards —  
E. Hallen —

Shapley  
E. Hirst

E. Hooker —  
E. Lobbach  
E. Hirst  
E. Cobbold  
E. Bastian

E. Baltimore 9 F  
E. Saltin 8000

E. Sniffen —

Far greater Energy

	Mech:	Busin:	Amur:	Maths:	Infant:	Steady:	Strong:	Amateur:	X	Second:	Religion:	Local:	Current:	Local:	General:	Public:	Private:
	F.M.	F.M.	F.M.														
Seed A *x	7.3 -	8.3.1	4.4 -	11.2 -	- - -	8.3.1	- - -	2.1 -		3.2.2	3.2.3	2.1 -	9.2 -	2 - -	2.1 -	3.1 -	5 - -
Seed B Chemistry	2.1.1	2.2 -	2.1 -		- - -	1.3.1	- - -	1 - -		- - 2.4.0	2.1 -	2.1.1	1 - -	1 - -	- - -	- - -	2.1.1
Seed C Geology	1.1 -	3.4.1	2.3 -	- - -	1.1 -	3.1.1	2.2 -	1 - -		- - -	1.1.1	1.1.1	2.1.1	3 - -	1 - -	1 - -	2.1.1
Seed D. Biology	1.1 -	4.2 -	2 - -	- - -	1.1 -	1 - -	1 - -	1 - -		1.1.1	3.2.2	1 - -	3.1 -	1 - -	- - -	- - -	2.1.1
	6.1 -	10.7.1	4.1.1	- - -	1.2.3	1.9.1	- - -	1 - 2		5.3.3	3.3.2	2.1 -	5.1.1	4 - -	2 - 1	2.2 -	3.1.1
	2.2 -	4.3.4	2.2.2	- - -	1 - 5	2.1.1	- - -	1 - -		2.2.3	3.2.1	- - -	1.1 -	3 - -	1 - -	1 - -	3.2.1.3.4
8. Total	9.4 -	18.12.5	8.3.3	- - -	3.5.2	15.3.1	2.1 -	1.1.3		9.6.7	9.7.5	3.1.1	9.2.1	8 - -	3 - 1	2.2 -	7.4.1.6.5.6
Seed E Geography		1 - -	- - -	- - -	1 - -	- - -	1 - -	1 - -		1 - -	- - -	1 - -	- - -	- - -	- - -	1 - -	- - -
Seed F. Statistics	3.1 -	3.1.1	1 - -	- - -	2.1.2	- - -	1.2 -	1.1		- - -	- - -	3 - -	- - -	1 - -	1 - -	1.1.2	1 - -
Seed G. Mechanics	4.1 -	4.2.2	1.1.4	3.1 -	- - -	1.4.3	- - -	1 - -		1 - -	- - -	2 - -	1 - -	1 - -	1 - -	1 - -	1 - -
Total	121	19	8	-	3	3	2	3		4	4	2	3	2	3	2	7
	26.1.1	39.24.10	18.12.8	14.4	5.8.5	35.14.4	5.4.4	3.5.5		14.9.12.7	11.12.15	3.2.2	26.6.4	14 - 3	7.1.1	8.3 - 12	8.3.16.7.8
Assigned & inherited from both sides	1	111	1		1					111	1					1	
From Father only	111	111	111	11	111	111	11			111	111	111	111	111	111	111	111
From Mother only		1111	11		1	11	1	1		111	111	1	1	1		11	
Total from parents any way	7.0	9.9.4	9.2	2.0	3.4	7.2	3.1	1.0		1.3	4.5	1.0	4.1	0.1	1.1	1.0	2.2
	8	17	10	2	5	9	4	2		7	10	1	5	1	2	3	4