G6PD enland and a sign of the	HMOX1 9 0.059 6 a year of the control of the co	FTH1 0.00057 4.5e-10 on 10.5 on 10.	GCLC 0 2.226-16 5 0 0 5.0 5 0 0 0 0.0	GCLM 90 4 7 8 8 9 7 7 8 9 7 9 9 9 9 9 9 9 9 9 9 9	GSR 1.7e=0071 7 8 8 8 9 1.7e=0071 7 8 9 1.7e=0071 7 1.7e=0071 8 1.7e=0071 9 1.7e=0071 1.7e=0	SLC7A11 7.5 0.0 0.0	GPX2 on 10.0 < 2.22e - 16	GSTA1 1.3e-14 p < 2.22e- 6.33	GSTA2 on 10.0 00018 7.5 0 2.22e on 5.0 0.0 00018	GSTA3 5.1e=08 5.1e=08 6 4 2 4 2 Above the series of the series o	GSTA5 2.0 0.52 0.0 9 en le vi con l	GSTM1 12 0.018 9 6 3 0 0 0 0 0 0 0 0 0 0 0 0	GSTM2 7.5 5.0 2.5 0.0 0.0	GSTM3 10.0 1.5e=05 7.5 5.0 2.5 0.0 2.5	GSTP1 12 2.226 6 9 6 3 0
Multiple divinition of the series of the ser	Muhabed/utalterdnal group TXN 10.0 2.222e	Muhabed/utaterchal group TXNRD1 9 10. 2.22e-36 0. 10. 3 0. 10. 10. 10. 10. 10	Multiple dividition and group SRXN1 0 2 2 2 2 2 - 16	Multiple Mul	Multiple Multiple of the second of the secon	Multiple du la la group ME1 7.5 D Z.22e D D D D D D D D D D D D D D D D D D	Mutaboed/utaterchal group FTL 900000000000000000000000000000000000	Mutabed/lutaterchal group CAT 10.0 2.22e 16 7.5 2.22e 16 2.52e 16 2.52e 16 2.52e 16 2.52e 16 2.52e 16 3.52e	Multiple divinities and a group CP 12 7.16 07 17 16 07	Mutabed/utaterchal group GPX1 an a	Multiple divinition of the state of the stat	Multiple dulibite du la group GPX4 7.5 P 2.22e 16 7.5 P 2.22e 16 0.0 A 10 A	Mutaboed/lutaterdnal group GPX5 4.1e=05.58 2	Multiple d/Julishite rothal group GPX6 4 1.6e=-0597 3 0.997	Multible du la
Multidoed/utlaterchal group LPO 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.	Mutabed/utaterchal group MPO 10 - 0.12 - 2.22e - 0.5	Mutabed/utaterenal group PRDX1 9	Mutabed Mutater that group PRDX2 1	Muhabadulutkitarahal group PRDX3 PRD	Multibled/Julializational group PRDX4 .0 4.8e=15.2e-15.5 .0 5.5 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	Mutatoed/utatoerdnal group PRDX5 9 0.33 0.066	Mutatord/lutaterchal group PRDX6 9.00061 9.9e-12	Mutatoed/utatarenal group CCS an la violation of the control of	Mutable divibite richal group SOD1 10.0 7.5 1.2e=09 0.00062 3.66	Mutabed/utaterchal group SOD2 12.5 10.0 7.5 2.22 Name of the control of the	Mutabed Mutater that group SOD3 9 3.5e-06 9 6 3 0	Mutabed Mutater that group GLRX 8 2 2 2 - 16 6 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	Multidoed/ultisitercinal group GLRX2 6 2222 - 16	Mutaboed/utaiterchal group GLRX3 6 P 2 2 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Mutatoed/utaltarenhal group GLRX5 0.46 0.0077
Multideed/Jultalterchal group MSRA enlar of p < 2.22e enlar o	Mutabed/utaterchal group MT1A 7.5 $\frac{7.5e-08}{2.22e}$ $\frac{9}{2.22e}$ $\frac{10}{2.5}$	Mutatoed/lutaterchal group MT1B 0-0.199e-06 5-0.09e-06 5-0.09e-0	Mutable dividistrational group MT1E 0 0 98 2 2 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3	Mutable Mutater that group MT1F -5.3e-142 on max	Mutabed Mutater and group MT1G 2	Mutaboed/utalterchal group MT1H 0.0 7.5 p < 2.22e 5.0 0.0	Multiple dividition of the composition of the compo	Mutatoed/lutatoerdnal group MT1X 9 2.226 6 3 0	Mutable divided in the later of	Muthated/utaterchal group NXNL1 A 2.276-16 9 NXNL2 A 1 2.276-16 9 NXNL2 A 2.276-16 9 A 3 4 4 2.276-16 9 A 4 4 2.276-16 9 A 5 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Multiple du libite du la group PDIA6 10.0 2.222 - 16 7.5 5.0 angle violent de la constant de	Multiple divinition of the state of the stat	Multiple distribution al group TXN2 8 4.6e-1514 6 4 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	Mutaboed/utalterchal group TMX1 8 2.22e-16 4 2 0	Mutatord/Jutatordnal group TMX3 6 4.7e=16 2.1e-06
Mutable divinities and a group TXNDC11 8 2 2 2 2 - 16 - 13 - 16 - 16	Multitherdial group TXNDC12 8 2.226 9 10. 6 4 0.55. 2 0 0 0 0.	Mutabled/Mutablerthal group TMX4	Multiprodulutistrendral group TMX2 5 2.22e-16 0 one one of the content of the	Multidoed/Jutisiterchal group TXNDC17 P 2.22e en en en en en en en	Multibled/Autiliterenal group TXNDC2 4 2.226-167 3 - 4.76-07 3 - 2.226-167 0 - 4.76-07	Mutabed Mutater that group NME8 4 2.226 16 P 2.226 1	Multidoed/Jutisiterethal group ERP44 8 66-14-14 64 2	Mutatord/utatardnal group TXNDC5 9 2.222=18 0 0 0 0 0 0 0 0 0 0 0 0 0	MultidoedMultisitercinal group NME9	Multitide diffusion al group TXNDC8 7.2e=0.055 an a	Multideed/Jutisiterchal group TXNDC9 6 2.226-16 9 enjey uoissaudxe	MutabedMutaterdhal group TXNIP 9 P 2.22e 6 3 0 0	Multidoed/Julisiterchal group TXNL1 7.5 5.0 2.5 0.0	Multidoed/Jutisiterdhal group TXNL4A 6 10 10 10 10 10 10 10 10 10	MutabedMutaterdhal group TXNL4B 6 - 2.22e - 6
Multided Jutister and group TXNRD2 and a series of the s	Muhabed/lutateranal group TXNRD3 1.7e=0.021 4 2 0 Muhabed/lutateranal group	Muhabaduutakarahal group UNG 8 2226-16 4 2 0 Authoritistarahal	Multiple diffusion al group SMUG1 6 P < 2.22e - In a series of the ser	Mutabed Mutater and group MBD4 8.46-122e-144 A white and a white a	Multibled Multiple of a large of the state o	Multiple du la	Multidoed/Julialterdhal group NTHL1 7.5 5.0 2.5 0.0	Muhabed/luthterdnal group MPG 6	Multiple divinities and a light state of the	Multiplication al group NEIL2 NEIL2 and a second a sec	Multiple differential group NEIL3 P 2 2 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Multiple dutible rethal group APEX1 10.0 POSS 2.22e - Solution of the second	Multipoed/Julisiterenal group APEX2 6 P 2 2 2 2 0	Multiple diffusion al group LIG3 8 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Multibled Multible and Inches
Multidoed/Jutisiterchal group PNKP enlar uoissaudxe Multidoed/Jutisiterchal	Muhabed/Juta/terchal group APLF 4 1.2e-150014 3 - 10.00	Mutabed/Jutaterenal group PARP1 10 10 10 10 10 10 10 10 10	Multiplication al group PARP2 6 P 2.22e 16 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	Muhabed Mutaterahal group PARP3 2.226-16 5.76-10 Muhabed Mutaterahal	Mutabled/Jutalterthal group MGMT 6 2.22e-36 Mutabled/Jutalterthal	Multiple dutate du la group ALKBH2 6 7 7 5 2 22e 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Multible diffusion al group ALKBH3 6	Muhabed/luthiterchal group TDP1 6	Multible divinities and a group TDP2 8 0.00047 6 4 2 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	Multistered al group MSH2 8 2 2 2 Multistered al group MSH2 and a group MSH2 and a group MSH2 and a group MULTISTER A group Multistered al g	Multiple dutate du la group MSH3 2.226-16 4 2 Multiple du la la la companya de la companya	Multiple dutate du la group MSH6 7.5 P 2.22e 16 5.0 2.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	Multipoed/Julisiterchal group MLH1 6 2:226-1694 4 0 one violation of the control of the contro	Muhabed/Jutaterahal group PMS2 6 10.00053 4.6e-14 2 Muhabed/Jutaterahal	Mutabed/utaiterdhal group MSH4 3 3 6 2 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
group MSH5 enlar of the state	group MLH3 6 22276-16 Author/Williamshall	group PMS1 6 3.6e=09 4 2 2.22e- 4 2 Muksbed/utksterdnal	group PMS2P3 4 0 00 13 10 10 10 10 10 10 10 10 10 10 10 10 10	group XPC 3.8e-06 8.8e-06 Nulskbedt/lutsiterahal	group RAD23B 2.276-16 D	group CETN2 8 7.1e 300015 6 4 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	group RAD23A 10.0 7.5 10.0 7.5 0.0 Multiboed/lutibiteronal	group XPA Provided the standard of the stand	group DDB1 0.00074 7.5 0.0 0.0 MulsboedMutbiterdnal	group DDB2 enterprise and a series of the	group RPA1 8 176-06 6 4 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	group RPA2 6 0.00085 6 0.00085 Multiplication all and a second and	group RPA3 6 P 2 2 2 2 2 - 1 6	group ERCC3 6 9 2.22e 4 2 MultishberdMultishterdhal	group ERCC2 6 7 7 7 7 MuksbedMutsiteranal
group GTF2H1 8 2.2220-76 9nlex uoissaudx Multideed/Jultaliterchal	group GTF2H2 6 - 2.226 16 6 9n lev uoissaudxe Muksbed/Jutkiterdhal	group GTF2H3 6 P 2.22e - 4	group GTF2H4 6 1 .6e - 7 .22e - 4 .22e - 4 .22e .22e .22e .22e .22e .22e .22e .2	group GTF2H5 3.4e=0.0014 O.0014 Multiplication and the state of th	group CDK7 6-6-22-22e-4-9-10-10-10-10-10-10-10-10-10-10-10-10-10-	group CCNH 6 2.226-16 4 2 Multiblicerchal	group MNAT1 Poly 2.22e 4 4 Multipoed/utalterchal	group ERCC5 enley noise and a second of the second of th	group ERCC1 8 7 7 7 7 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7	group ERCC4 en 6 0.45 0.51 en was on value of the street o	group LIG1 5.9e-2.22e- 4 2 Multible and Multiplication all	group XAB2 7.5 P 2.22e - 9n lev uoissaudx MultaboedMutalteronal	group MMS19 6 P 2 22e - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 -	group RAD51 6 2.22e 4 2 MultiboedMuttalterdhal	group RAD51B 6 7.4E=0.57 4 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
group RAD51D 6 6 46-12 e en e	group DMC1 4 1.6e=09.7 3 - 1.6e=09.7 Muksbed/lutkiterchal	group XRCC2 P 2 2 2 2 0 on law on l	group XRCC3 6 P 2.22e 6 P 2.22e 7 P P P P P P P P P P P P P P P P P P	group RAD52 2.16-122e MutaboedMutalterenal	group RAD54L 6 P 2 2 2 e	group RAD54B 6 2.22e-16 p < 2.22e-16 Multiplication all group	BRCA1 Online	SHFM1 7.5 One of the state of	RAD50 1.2e=0.24 Multiplication all according to the control of t	MRE11A en la variable de la companyación de la com	Muhabeed utalter thal	RBBP8 8 2.226 98 6 4 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	MUS81 6 1.16=17/2e- 4 2	group EME1 6 2.22e 16 0 16 0 16 0 16 0 16 0 16 0 16 0 16	group EME2 6 4 7 = 122e - 4
SLX1A enlev noisseid a	group SLX1B 6 2.22e-168 4 -	group GEN1 6 2.22e-16 4 2 9 Nex violate de la companya de la co	group FANCA 6 7 7 7 7 8 9 10 10 10 10 10 10 10 10 10	FANCB P 2.22e - 16 on law on the second of	Group FANCC 6 2.226-16 4 2 Multible divinitish teardinal group	BRCA2 8 P 2 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	FANCD2 PANCD2 Multiplication of the company of th	FANCE onle	FANCF The state of the state o	FANCG expression value Multiplication all a group	FANCI 8 2 2 9 9 9 9 9 9 9 9 9 9 9	BRIP1 6 2.22e 4 2 Multiplication and a group	FANCL 6 P 2 22e on leave units trend al group	FANCM 2.226-167 4.2 Multiplice diffusion all group	PALB2 6 2222 6 4 2 0 Multible diffusion all group
RAD51C POCOZIONO Multiplication all group	SLX4 6 12 2 2 2 2 2 -	FAAP20 5 0 0 0 0 0 0 0 0 0 0 0 0	FAAP24 6 2 2 2 Multidoed/utbiterdhal group	XRCC6 2.226-16 9 ng 7. 5.56-09 km visite rothal group	XRCC5 3.2e-15.2e-10.0 an 10. 5.5	PRKDC 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	LIG4 P 2.22e Multidoed/utalterdhal group	XRCC4 en lev noisse de la composition della com	DCLRE1C annex uoissaid a group DCLRE1C A D 2 2 2 5 6 07 0 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	NHEJ1 6 0.0002312 American value of Multiplication all a group	NUDT1 6 P 2 2 2 2 6 4 2 Multiplication and a group	DUT 2.6e=05 6 2.22e 4 2 Multiple diffusion dial group	RRM2B 8 2.220.86 4 4 2 MultidoedMultisiterchal group	POLB 7.5 D 2.22e 5.0 2.5 Multiplice diffusion all group	POLG 8 6 6 2 2 2 2 e - 1 4 2
POLD1 8 2.222e 9 Multiplication value group	POLE 7.5 POLE 7.5 POLE 7.5 Number of Multiplication al group 7.5 O.0 Multiplication al group	PCNA 5 P Z 22e - 6 O Wukhtherd / Juthstendhal group	REV3L 8 0.46 6 0.46 9 npa 7.5 4 2 2.22e	MAD2L2 2.22e-16 P<2.22e-16 Multiplication all group	REV1 6 2e-09 4 9npx uoisseud Nutraiterdnal group	POLH 6 P 2.22e 16 6 P 2.22e 16 Multiplication all group	POLI on voice divinity of the state of the	POLQ 6 2.22e-16 P 2.22e-16 Multiple di/utbiterdhal group	POLK 6 2 2 2 2 2 - 1 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	POLL 6 2.222e Multiplication all a group	POLM 6 P 2.22e 16 9 Nulshbed/luthstrendhal group	POLN 2.22e-16 5.5e-06 MuksbedMutsiterdhal group	FEN1 8 2 2 2 Multipliced Multiplicer and a group	FAN1 6 - 0.35e-06 4 - 2 Multiplice diffusion all group	TREX1 6 2222 - 16 9 2 2.22 - 16 MuksbedMutbitærdnal group
TREX2 onlar on vois service with the service of th	EXO1 6 2.222e on man and a second se	APTX 6 2.22e 4 2.22e Multiplication all group	SPO11 4 0.320.082 3 0.082 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ENDOV 2.22e-16 5.5e-07 Multiplication all group	UBE2A 8 2.22e 6 4 4 2 Multiple diffusion al group	UBE2B 6 2.22e-16 WukhoedMuthlærdhal group	RAD18 6 2 2 2 Multiple diffultibility and all group	SHPRH on lea	HLTF 8 1 .6e-09 P 2 .22e Multiple d/ luthterdhal group	RNF168 8 2.222=36 Authority of the differential group	SPRTN 2.22e-16 P < 2.22e-16 Multiplication all group	RNF8 6 2.22e-16 2.3e-11 4 2 Multible divinity iterational group	RNF4 6 0.44 2 Multiplication all group	UBE2V2 8 2229-16 P 2.229-16 Multiplication all group	UBE2N 7.5 8.4e=14 P < 2.22e Multiplication all group
H2AFX 8 2.22e 16 9nlev uoisseudxe Multitaterdhal group	CHAF1A 6 P 2 2 2 2 2 9 9 9 1 8 9 1 9 9 1	SETMAR 6 2.226-16 4 4 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	BLM 6 7 2 2 2 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6	WRN 6 2:22e-16 0.85 Multiplication all group	RECQL4 6 2.22e 4 Multiplication and a group	ATM 8 2.22e-16 6 4 2 0.49 6 WurksbeedMuttslærethal group	MPLKIP ONE ONE ONE ONE ONE ONE ONE ON	DCLRE1A 6 0.00015 Multibled/lutbiterdhal group	DCLRE1B P 2.22e 16 P 2.22e 16 Multiple d/ utbiterdnal group	RPA4 2.5 2.226-16 2.0 1.5 0.5 Multiple dividities and a group	PRPF19 7.5 P 2.22e on leave of the leave of	RECQL 7.5 90 2.22e 16 90 18 19 19 19 19 19 19 19 19 19	RECQL5 1.86-1-1-1 9 on lev uoissa voi se sui se s	HELQ 5 2.22e-16 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	RDM1 4 2.22e 16 D 2 2.22e 16 Multible did utbit tendral group
NABP2 enlar uoisseudxe di utalterdhal group	ATR 6 2.226-16 6.8e-16 4 2 Multible divinities that group	ATRIP 6 4 2 2 4 2 4 4 4 4 4 4 4 4 4 4 4 4 4	MDC1 5 P 2.22e 16 O 10 Multiplication all group	RAD1 P 2.22e ne on lea unitate de la companya de l	RAD9A 6 P 2.22e and a second a	HUS1 6 2.22e 4 2 Multiplication and group	RAD17 6 2:222-16 0:0052 4 Multiple diffultibilities and a group	CHEK1 6 2.226 Multibled/lutbiterdnal group	CHEK2 One of the control of the con	TP53 TP53 A.3e=122e- A.3e=122e- Multiplication all group	TP53BP1 6 4 4 2 Multipliced Multiplicer and all group	RIF1 8 2.22e-18 9npx uoisseudxe Multible di Multiple de la	TOPBP1 8 2.222=16 9 Multiple dufut bit terdinal group	CLK2 6 D 2.22e 4 D Multiplication al group	PER1 10.0 7.5 5.0 2.5 Mutatorid/Jutatorianal group