1 - Gaucher - L-myc gene *(involved in small cell carcinoma)* - Presenilin 2 (Alz)	2	3 - Von Hippel Lindau *(VHL)*	4 - Huntington *(CAG)* - Achondroplasia *(FGFR3 gene)*	5 - Cri-Du-Chat *(5p-)* - APC *(FAP)*	6 HFE gene Hemochromat-osis
7 - Cystic Fibrosis *(CFTR)*	8 - C-myc gene *(involved in Burkitt's lymphoma)*	9 - P 16 Tumor suppressor gene (Melanoma) - Friedreich's Ataxia *(Frataxin gene GAA triple repeats)*	10	11 - Niemman Pick *(sphingomyelinase)* - Beta Globin Chain *(β-Thal)* - BCL-1 Gene *(cyclin D)*	12
13 - Patau Trisomy - RB Gene *(retinoblastoma and osteosarcoma)* - BRCA 2	14 - Presenilin 1 *(alzheimer)*	15 - Tay-Sachs *(Hexosaminidase A)* - Marfan *(FBN1)* - Prader-Willi & Angelman *(imprinting)*	16 - PCKD1 *(polycystic kidney disease – polycystin1)* - α Globin Chain *(Alpha Thal)* - Tuberous Sclerosis (TSC2)	17 - NF1 *(Neurofibromatosis type 1 – Von RecklingHausen)* - P 53 -BRCA 1	18 - Edwards Trisomy - BCL 2 - DCC *(colon)*
19 - Familial Hyper Cholesterolemia *(LDL Receptor mutation)*	20	21 - Down's Trisomy - B-APP Protein *(Alzheimer)* - SOD1 *(superoxide dismutase – altered in ALS)*	22 - NF2 *(Neurofibromatosis 2 – Merlin protein)* - DiGeorge Syn. *(locus 11 deletion)*	23 Baronerocks.com	

X	Quantitative Sexual Chromosome Diseases	Y
- Menkes Syndrome (ATP7A Copper Efflux Protein) - Fragile X Syndrome (CGG on gene FMR-1) - Bruton's (BTK gene) Agammaglobulinemia - Lesch-Nyhan (HPRT1) - Wiskott Aldrich (WASP Protein) -SCID (IL receptor mutation) - Duchenne MD (Dystrophin) - Alports (COL4A5) - Hemophilia A&B (F8&9)	- Klinefelter Syndrome XXY (Barr Body) - Turner Syndrome XO (Shox Gene)	Baronerocks.com

Translocations
9:22 : Philadelphia (Bcr-Abl over expression. P210KD Tyrosine Kinase. In CML it provides better prognosis, in ALL it provides worst prognosis.)
8:14 : Burkitt's Lymphoma (C-myc gene over expression)
11:14 : Mantle Cell Lymphoma (Bcl-1 gene Aka Cyclin D)
14:18 : Follicular NHL (Bcl-2)
15:17 : AML M3 (Auer Rods, DIC)
11:22 : Ewing's Sarcoma
12:21 : Provides better prognosis in ALL