

Liste der metasystemisch bearbeiteten Proteine

Stand: 18.11.07—22.00h

<u>Lfd.Nr</u>	<u>Name</u>	<u>Funktion</u>
4200.	CAPS1	Proteinschalter für Streßhormone_(17,29) (17,59)_Anpassung +++
4199.	CAPS2	Signalübertragung in Nervenzellen_(61-14,20,44,08-33,13,..33,59..62.60.08)
4198.	LAMA4	Laminin_Herzschwäche_(44,01-39,44,10,34,33,33,64-62,11,11,59, ..61..33, 61,12,12.)
4197.	POLR2A	(26,61)+B_Ursprung d. biologischen Evolution_Weisheit & Inn. Wahrheit+++
4195.	Nucleotide	101D_A+B_pdb's
4193.	TITF1=NKX2-1	Lungenentwicklungsfaktor_Krebs_(44-56,43,13,01)
4192.	EIF4E	Schrumpft Krebs_43,16-01,33,17,20,32,23,05,31-57..59....)
4191.	BRCA2	Brustkrebs (01-01...43-01...44.30..34,42,14.)
4190.	VOILA	Bisexualität (3iso)_33,01-62,43,01,61,01,01-62..33..33)
4187.	CHEK2	Brustkrebs (3 iso)_01,19-01,61,01,44,20,08,33-33,01,33,61.61.33,12,33,33,..)
4184.	HMMR	Brustkrebs_(2iso)_01-28,01,13,13,33,09,01.)
4182.	KCNA1	Kaliumtransport_Epilepsie_34,61-01,01,62,01,16,44)
4181.	FADS2	Intelligenz_(41-34,46,12,11,09)
4180.	NKX2-1=TITF1	Bronchialkazinom_01-09,37,13,43-61,53,14,53.)
4179.	CED	Chronische Entzündliche Krankheiten_Morbus Crohn/Colitis ulcerosa_ _DEFB1+MDR1+NOD1*TNFRSF1B+TBFSF15 + 9 alte Proteine)
4175.	PB1-F2	proapoptotic influenza A virus prot. (5 Stämme)
4170.	AvrBs3	Avirulence protein_825-31,36,30,17-19...50,50,29,11.21,18)
4169.	CAPPUCCINO	CNO_homolog hs +Capu_drososphila_(4iso)+Spir_dros. (4 iso)
4160.	RNaseL	Zerstörung Translation mRNA_(53-07,31,01-41,20,19,63..34,33.)
4159.	CD39	ENTPD1_MS Marker_(33,26-19,05-13,33,42,56-.33,33..33.)
4158.	ITS	Artenunterscheidung (4 org)
4154.	Marfan-Syndrom	FBN1(33-24,09,34,01)+TGFB2_(43,34-33,34,42..62.)+++
4153.	t0283	put transmembrane transport pro_PDB!!_(02-08,23,62,02)
4152.	TGFB2	Krebs-Entwicklung_Marfan_(34-33,34,42,09,01,62,01
4151.	MlanA-MART1	Tumor-Antigen_(61-10,20,57,55-58,56.33..34,60..04,34)
4150.	Projekt Botanik Uni Köln	: HAG1,-2,-3 + 11 Promotoren + 10 Gene
4126.	SV40 large T antigen	DNA-Prod._Oncogen_01-05,34,61-33,11,11.34.- .33.33,41.33.41)++
4125.	RHOC (3var)	tumor cell proliferation and metastasis_(20,01-04..34,12-...33.33.61)
4122.	CYP2B6	cytochrome P450_(03,01-55,02,17,01,09,25-53,61..48,41,53.61,53,61.)_ efavirenz (EFV), Brustkrebs
4121.	Parp	zea-mays_gegen Dürrestress (08-20,15,22,37)
4120.	SCF_MGF=KIT	Ligand_stem cell factor_(44-32,30,44-41,57..56..61.) + PDGFRA_contiguous gene syndrome_(62-52,09,35,03) +KIT =Piebaldism_defect in melanocyte development
4118.	3 ParM (E.C.)	_ Händigkeit + LSP1_F-Actin (3iso)
4112.	SCN9A	Schmerzempfindlichkeit_10,62-34,12,01,02,01,16,19,12)
4111.	GAD1_25+67	Schizophrenie,Parkinson-Therapie(_58,09-61,..1..33.11.12.33.33.33)++
4109.	MIRN-10B	spread of breast cancer_(GAn..=.44,28,50,32)+++
4108.	Feronia	Meilenstein Entstehung d. Pflanzenarten_(23-24,16,39-..24..41..62.31.60.)++
4107.	ALDH7B4 a.th	(19,56-44,64,62,07,14,36-41,34,.12.)
4106.	ALDH3A1	ALDH_high ADH activity in lung+cance_r(09-01,38,26,61,36 .12..33. 33.11)
4105.	CUL3	Hüter der Chromosomen_(09-58,06,01-09,54,60,32,59,44,33,33,01)++
4104.	GCK	Glucokinase Diabetes 2_(2iso)_ (38)(43)

4103. HLA-G_histocompatibility antigen+ Multiple Sklerose_(33_64,09,30,54-
..33,11..33,19)
4102. INFgamma_Interferon Gamma-Autoimmunsystem_neu (62.33) +++
4101. JAK_Janus-Kinase1,2,3 (+STAT)_Onogene_Transskriptionsfaktor Genaktivität
(Leukämie)
4098. n-cofilin_protection from mental disorders(33,44-20,61,33,32,01,34) (fast ganzes
spektrum)+++
4097. NFASC_Neurofascin_Multiple Sklerose-(01-61,01,01,43-44
4096. ERVWE1-Syncytin_Multiple Sklerose_(44,09-39,33,28,61,55,34-..19,33..33..)
4095. TCF2-HNF1 beta (2iso)_(56,01-20,09,54,01..09)
4093. TREX1_Systemischer Lupus (SLE)_19-44,40,19-32..61,41,59,29,..19..36)
4092. ATG16L1_Morbus Crohn_reparatur_34,16-01,01,19,29,12,07-..33.34..61..19.41)
4091. HR19 siRNA_(4iso+PGL3)_(19,15-33,29,19,45,11,40)
4088. OR7D4- Geruch Androstenon,Androstadienonduftend-stinkend_(24-42,02,23-
38..61,19,20,24,24,56.)
4087. TIPIN_timeless interacting protein__(01-01,26,01-26..60,41,34..)
4086. ADD2_regulation of blood pressure among people with hypertension_01-10,13-
..41,61,31,61..)
4085. AMY1A-2C_Amylase_Speichel,Stärke & Intelligenz (5Mol)_02,17-20,27...)
4080. CDK5RAP2_autosomal recessive primary microcephaly_(2iso)_01-44,01-
32..09,44,10,34..)
4078. Disc1 mus musc_49-38.33,20)_(13-38,33,33) (2 iso)
4076. Inflammation rel. genes up-regulates in schizophrenia brains IFITM 2,-3; IFN
alpha+gamma, TNF + Serpina2 + GBP1 (4 neue Prot)
4072. ITPR2_ALS_01-01,43..34..09,13,..34.)
4071. P2Y12 rec._coronar artery disease_08-19,62,42,02-61,23,24,33,,11..27,34,16,04
4070. Serpina3_Alzheimer's disease_44-56,01,09,32,11-..56,33,..)
4069. SFRP1_putative tumor suppressor gene_61-02,09,61,13,..61)33,19,13-
4068. SGNE1-SCG5_glucose intolerance_33,13-02,34,01,31,01,14,01)
4067. SYNE 2_Nuance_Transmembranproteine (4iso)
4066. TNF_alpha_Gefäßverkalkungen, Rheuma;Entzündungen_43-61,09,11-..48,57)
4065. SCG 5_insulin resistance, onset obesity_33,13-02,34..31..)
4064. FOX N1_marker for thymoma and thymic carcinoma_14.01-01,37,12,01,12,01,42)
4063. CXCR4_Oberfläche Krebszellen_Metastasen_iso b 60-61,45,42,56-.3311..33.56..)
4062. Troponin -TNNC1+TNNI 1,2,3 + TNNTT 1,2,3_ cardiale + skeletale (7 prot+8 iso)
4049. IGF2BP2_diabetes 2_01,09-09,33,61,01,42,13,09)
4048. ERM=ETV5_Signaltranskriptionsfaktor Muskel_53.01)
4047. Neuregulin (12 MOI)_Schizophrenie
4035. Neurexin2_NRXN2_Autismus_(3iso)_34,37-33,14,15,11,06,01)
4034. Neurexin3_NRXN3_Autismus_(2iso)_20-19..)(61-33,19.34.37)
4033. CHMP2B_Related Frontotemporal Dementia_01,13-44,01,37,06,01,61,63-
12,33,49,34,01,34,60..12)
4032. 5-HTR4_Serotonin-Rezeptor_08-02,02,42,19-07,20,02,02,08,2355,19-..41..19..19.19.)
4031. CDKAL1_Absterben beta-Zellen_Insulinproduktion_Diabetes 2_10,56-
13,56,33,04,25,03,34)
4030. IL-R_Interleukin Receptor Family (30Mol)

05.09.2007:

4000. CD276 Biomarker Prostata Krebs_2 Isoformen_56,26-20,61,12,33,55,32) +++++

3999. Prostata Krebs_PC3, DCTN3, IL11, KLK4,PSAP +IL11RA (6Mol)

3993. Melanom-Aggressivität_Charakterprüfung für Hautkrebs_(+20 Mol)

3973. Cyr61, CTGF, NOV and WISP-1,2,3_Lungen Krebs (6Mol)

3967. PAX3 _Waardenburg syndrome 01-33,49,01,05.,10)
 3966. SRY-box 10 (44)
 3965. GABRG2_development of epilepsy
 3964. TIP 60_Brustkrebs_Tumor-Suppressor + HIV_(13,33-..33.-41,33...33..33.)
 3963. phycoyanin beta chain (33,43)
 3962. LRRTM1_Linkshändigkeit_(31,53-08,44,38,62,42,61)
 3961. SRP (09,16,14,19,54,68,72), RN7SL1 hn+a.th_Signal Erkennungs partikel-(9 Mol)
 3952. ASEF_ARHGEF4 Rho guanine nucleotide exchange factor 4_hn+mm_Signalprotein
 3950. L1TD1_LINE-1_transposase_(01-01,33,01-13-..20,43..43..)
 3949. L1CAM_cell adhesion molecule_L1 syndrome_(01-01,28,01,43,10-33..32..61..32.)
 3948. BubR1_Down Syndrome_(01-25,01,19-31,41..61..08,19)
 3947. ASIC1 hn+mm_Furchtlosigkeit_(62,14-19,44,62,13,57,59-12,33,34,19,61,20,11,30,33..)
 3945. VLDLR very low density lipoprotein rec_14-33,14,12-62,0133,14,56,19,,47,01,38
 3944. HDL_HSD11B1 hydroxysteroid_(32-39,58,20-20,11,55.32,42,15,61.)
 3943. DLC1_deleted in liver cancer_(01,10-..-56.61.56..)
 3942. CHMP2B_Related Frontotemporal Dementia (01,13-44,01,37,06,01,61,63-12,33,49,34,01,34,60..12)
 3940. GADD45A (hs) Wachstumshemmung 62,32-62,05,45,36,01,16)+++
 3939. Gadd 45 A (mm) Wachstumshemmung (62-62,58,23,27,44,16)++
 3938. DBN1_Drebin_Zellmobilität_Tumor-Marker(2iso)_(44-59,01-18,20,,61,09-33..33.)
 3936. KIBRA_Gedächtnis_(34-01,01,20,13-..09,33..19..33)
 3934. AAA+ Proteases (8Mol)
 3926. ADRA2B_emotionale Erinnerung_32-41,33,24,01,29-..33,,11,62,19..12)+++
 3925. Nucleotide 101D_A+B_pdb!
 3923. FC-Rezeptoren_Autoimmunkrankheiten (9 Mol.)
 3914. OPTC_Opticin_Kandidat Glaucom_(53-45,11,14,33)
 3913. CRP_Entzündungsmarker_(23,08-02,52,59,07,24,38,11,23)
 3912. USP9Y_Azoospermie-Faktor AZF_(18-56,48,56)
 3911. FLS2+BAK1_a.th_Erregerabwehr_(15) (62,07)
 3909. TRPC2_"Macho-Gen" (mm) (62-07,43,16,23,33-...)
 3908. Internalin B-listeria + MET_Krebs, Schloß-Schlüssel_(14,01)(37)
 3906. LCA5_erbl. Netzhauterkrankung_(01-13..43..13)
 3905. Sindbis complete Genome (01-01,01,01,44,61-..30..10..13)
 3904. Wnt-Signalweg_LRP5,6+Axin1,2+Dvl 1,2+div.Frizzled+ CSNK1 (26Mol)
 3878. LAM_Laminine_Oberflächenproteine (5Mol.)
 3873. MEDEA_Parental Conflict Hypothesis_(ATA,GAC_61,28))
 3871. POK_ZBTB7A_Pokemon_Krebs-Gen_mm+hs_
 3869. GRP+GRPR_Juckreiz (12)-(16)
 3868. OCTN1+2=SLC22A4+5_Morbus Crohn
 3866. PC1+2_Schlüsselenzyme für Kalorienverbrennung_(09)+(01)
 3864. RHOX-dros_(03-17,20,53-11,03,06,08,19,43,02,53,61)
 3863. RPL 36a ribosomal prot._(01-13,34,10-..3361,61.33,54,13
 3862. Rps 13_Ribosomal protein S13_(33-29,09,37,61,31)
 3861. TICAM 1+2_TRIF hs_(01-33,34,01)
 3859. TRH + TRHR_Schlüsselenzyme für Kalorienverbrennung (33)+(04)
 3858. CEACAM1_Inflammation und Angiogenese_(01-44,01,01-41,26..49,37..61)
 3857. Cofilin-CFL1(non-muscle)(33-08,61,33...)
 3856. Cofilin-CLF2(muscle)(50,22-12,10,56,55,50,47)
 3855. CREB_cAMP responsive element binding protein 101-01,01,37..)
 3854. FMR1_Fragile X mentale retardation_(01-30,13-..31,32..31)
 3853. GAPDH_Alzheimer, Huntingtin_(16-20,59,19,34)

3852. Gelsolin_regulator of cellular functions (14-33,01,41)(+44)
 3851. KIF4A_crucial cellular processes_(01-44,13,13,59-59..)
 3850. MEIS 2_tale HOMEBOX
 3849. RLS restless Leg syndrome (BTBD9+LBXCOR+MEIS1)
 3846. SRF1_cell proliferation and differentiation_Gehirn-Manager(12,01-...33.33..33.)
 3845. TAR DNA bind.prot._ALS_HIV
 3844. TAR RNA bind.Prot 1+2
 3843. TACR1_tachykinin, receptor 1_SPR,NK1R
 3842. TAC1_tachykinin, precursor 1 NK1_
 3841. SPAG9_sperm ass. antigen 9_(01-33,01,0109,08)
 3840. OPHN1_X-Linked Mental Retardation_(01-09,14,01-14,11,10,10.32,13,10,44-46..)
 3839. Fibronectin_Glymoprot_Zellmigration_Mr´tatstasen
 3838. CASP8-ALPS2B_execution-phase of cell apoptosis_53,09-62,31,01,01,31
 3837. ORMDL3_Asthma
 3836. BPI (+DEFB)_rheumatoide Arthritis_(01,09-25,01,34,10,11,33-60,12..12,33,11,..)
 3835. VDAC1-3_Voltage Dep. Anion Chann._(19-33,19,51-19,61,6,1,61,19,20...-32,19,19..
 3832. UBE1+2+3 ubiquitin-activating+conjugating enzymes (4 Mol)
 3828. VDR3_Vitamin D3 Receptor_01-13,30,26,37,33)
 3827. Methyltransferasen _AS3MT >< TRDMT1 (38 Moleküle)
 3789. DHX16 DEAH (asp-glu-ala-his)_34-13,14,20,21-53.13.13,61,15,,60,54,59
 3788. DHEA_SULT2A1_Enzym f. Hormone + Neurotransmitter & Drogen_(14-05,33,03)
 3787. ACTH_beta-Endorphin_Neurotransmitter Cortisolproduktion(01-33,01..)
 3786. TP53BP1_Zellschäden_Apoptose_(28,01-12,61,42,01,13,01,33,19-..59..61..33
 3785. POMC-MSH-MC1R_Gewichtsregulation_(01+33!)
 3784. CART_cocaine+amphetamine-reg. transc._(53-02,60,58,18-)
 3783. AgRP_Gewichtsreg._Hypothalamushormone_(33-20,58,01,39,20)
 3782. NPY2R_neuropeptide Y Receptor_Körperfett Steuerung (15!-19,53,02,19-
 ..62.19..19,19,..)
 3781. NPY_neuropeptide Y (33!-02,01,14-62,..61..13,12..)
 3780. CIAPIN 1_apoptose inhibitor 1_(62-02,233,62)
 3779. TNFSF10_TRAIL-ligand_(14-33..-33.._metasystemisches Stop-Monster)
 3778. FLIP_CFLAR casp 8_apoptose regulator_(20-04,23,01,19,49-..12..12..61..)
 3777. RAE1_Oberfläche Tumoren dockt NK-Zellen_(40-41,56,62,61-...,12..33.)
 3776. IGFBP2_höheres Alter, weniger Krebs_(08-23,20,42,13-..56.60.62..61.)
 3775. TAS2R46_Bittergeschmack Artischocke_(62-23,61,19-..12,3315,33..)
 3774. DLC1_hs_Tumorsuppressor Leber, Brust_(01-44,01,09,34-41,61...)
 3773. TSHN Schilddrüsen-Hormon beta_(56-02,30,59,19,34)
 3772. TBL1X_transducin beta X-linked_(13,01-11,01,34,01,43,44,10-..33..33..11..)
 3771. MC2R melanocortin2 receptor_adrenocorticotropic hormone_(27-42,19,32)
 3770. DFR+PANSY+IRIS_Blue Roses
 3769. MUC1_Krebsgen_Tumotherapie (7 iso) (61-61,62,33)+++++
 3768. testosterone_reg. apopt. inducer+ tumor supp
 3767. CCSA-3,-4_Früherkennung Darmkrebs
 3766. BARX, DLX, ILA_Entwicklung molare Zähne
 3763. CSNK1G1_Embryonal- +Tumorentwicklung_(01-61,61,14,34,44-...56..12,) hs+3 Xenopus
 3759. CYP3A1_rat+hs+testosteron +++
 3756. Sialoporphin_Krebs_(01-33,01,43,02-..33,34,33...64..)
 3755. Bsx_körperliche Aktivität +Nahrungsaufnahme_57,53-..11..06 -.61,11..12,56,33,))
 3754. FGF8_ovarian cancer_Zahnentwicklung
 3753. FTO_Übergewicht_43,10-01,44,31,33,59,30)

3752. NPR1_Alkoholsucht
 3751. PALB2_Krebsrisiko =-FANCN
 3750. PORCN_Goltz-Syndroms_Embryonalentwicklung
 3749. RARA_retinoic acid receptor A_varb_09,13-44,3110,55,13)
 3748. RARB_retinoic acid receptor B_(34,13-33,33,19,31,43)
 3747. RRS1-Ribosome biogenesis regulatory protein_(01-61,14,26,57-..56..59,59..)
 3746. PTPN2_linking autoimmune dis._Crohn+Diab1(34-01,13,19,01,34-..33,61..33)
 3745. TCAP_Telethonin_Titin-cap(32,41)_stay & start++++
 3744. ctk1+RPS2_Transkriptionsfaktor_Ribosomales Protein(4 Prot)
 3743,. AS1R_Süßgeschmack +-unterscheidung(2prot)
 3742. Caspase14_UVB+Dehydrations-Schutz_(01-44,33,10)+++
 3741. CD177_NB1_19-33,24,23,29,27
 3740. eIF2a_Gedächtnissteigerung_hs(34,33)+mm(01,20)
 3739. EREG_Epiregulin_Lungenmetastasen Brustkrebs_(62,20-07,30,62,07,19,33)
 3738. MMP_Matrix Metalproteinase 1+2_Lungenmetastasen Brustkrebs
 3736. NR2B_Steigerung der Lernfähigkeit hs+mm_(19,13-61,62,20,53,14,01)+++
 3735. PCNA_Reparaturund Replikation(35-20,32,54)+++
 3734. PHA 4_LBR_(44,02-56..34...56)
 3733. PKP2_plakophilin_Zellarchitektur Herz_(01-09,01,01)
 3732. RP-A1_(13,07-17,49,3456,19,45,61)++++
 3731. POLL_DNA-Polymerase lambda_Schutz vor Krebs(58,34-61,59,11,14,13,08,62)
 3730. LAMA 1_Laminin_UV-Schutz, Alzheimer_61-34,20,33,09-..61..61..61..)
 3729. NOS1_13-53,01,01,33,01-..33..33..33..)
 3728. DRN_Dornröschen-ESR1 a.th_(41-01,08,32,34-..61..61..)
 3727. STM_SHOOTMERISTEMLESS_a.th.(19_33,02,16,43)
 3726. CAV3_caveolinopathie_34-43,61,07,02,34
 3725. LGI 1_Autosomal Dominant Partial Epilepsy_(57,32-54,31,44,12,01,27)
 3724. ZEB 2_Mowat-Wilson Syndrome_(01-01,13,01-..-6Stop)
 3723. CEACAM1_Metastasenbildung Melanom_(01-44,01,01,0,61-41..61..)
 3722. JNK-c-Jun_Oncogen_(09-49,11,01,01-...33,33..)
 3721. p38_Tumorsuppressor_hemmend+aktivierend(41-)(19-61,20,59,11)
 3720. FANCN_neues Krebsgen entdeckt_01-01,01,61,34 + 6 x 33/12 in n-3
 3719. CDKN 2A- p16INK4_ARF_Cutaneous malignant melanoma _Familial melanoma +
 CDK4 Inhibitor+++ (3 var)
 3716. NPPA-C+NPR12_Herzschwäche(5Prot)
 3711. Genetic pathways of pancreatic cancer TGFb, KRAS, p53, p16 and Dpc4
 3706. CDKN 2B(29-..33)+++_Neu_diabetes 2
 3705. BMP3_bone morphogenetic protein 3_(55-31,37,45,61,34-..33..61.12..59)
 3704. BMP8b_bone morphogenetic protein 8b(osteogenic protein)_55-31,49,02,55) grün-
 schwarz
 3703. GPR56_esophageal squamous cell carcinoma+BFPP(36-42,11-..-..56..33.61.61)
 3702. FoxO1A_fundamentally critical in preventing some cancers_(01-13,01-..33..33..)++
 3701. ibpA_Wie fremde Gene das eigene Überleben steuern_(26,01-33,60,12,34,34,01-
 ..33..61..33..)
 3700. Long-QT-Syndrom(LQTS)(3 Prot)
 3697. NpHR_Licht steuert Nervenzellen_(19-10,07,16-26,32,34,03,07,62..56..16
 3696. TG2_Anti-Apoptose(38,44-..59..61-12..33..56..56,56,41..61..61...33.)
 3695. AAT=SERPINA-1=antitrypsin(09-33,31,61,31,57)
 3694. APOA 5_Fettstoffwechsel_09-44,50,44,01-..12..)
 3693. FLG_Filaggrin_Neurodermitis
 3692. LRP 6_early heart disease_(33,13-23,57,57,11,61,30)

3691. eRF3=GSPT1G1+ eRF1_Stopp-Function_(01,33-01,44,27,33,33)
3690. Dbp 5_neuer STOPP-Faktor_(15,02-62,60,35,24,16)
3689. OBSCN-gastrointestinal stromal tumor (GIST)_(01-43,33,01-34,33,60,02,01,34,33,01,34)++++
3688. C9orf65=PRUNE2_leiomyosarcoma (LMS)_(33-27,26,05-..56..)++++
3687. USH2D=DFNB31_Usher-Syndrom_Hörstörung + Netzhautdegeneration (Retinitis pigmentosa)(iso1_33)++
3686. TGM2-shield pancreatic cancer cells from self-destruction(38,44)
3685. PRP31 "Spleißosom"_(01-43,01,25,61,43,01-33..)
3684. cbl-b_steigert Tcell Immun-Aktivität_(61-34,20,01-14,13,19,29,15..)
3683. A1_Adenosin-Receptor_Müdigkeit_(04-03,02,47,38-...12...12)
3682. CHD5_prevents multiple types of cancer_(01-01,61-...-..33..33..33)
3681. GSTT1 Schlankheitsgen+ carcinogenesis. (27 Ernährung!-31,19,12)+++++
3680. LIN-9_Genschalter f_Zellteilung(09,33-...33..-..33..33..)
3679. MAT1+PGC1_production of energy in the heart cell_(33_20.01,01)
3677. NUDT1-MTH1_small cell lung cancer risk+ SNP Val83Meth ++++
3675. TGFB1_Camurati-Engelmann disease_Apoptose+Cilp++
3674. TGFB2(01-33,01,01,34,28)+TGIF2_tumor growth factor
3672. 2mTOR_FRAP1_DNA damage and nutrient deprivation-(25-55,39,01-..61,19..60..61.10,11.)
3671. ZBTB38_zinc finger
3670. DCDC2_Legasthenie (Uni Bonn)(14,01-...-..56,33..56,33)+++
3669. DSX_doublesex_(01,59-01,13,44,41,20,01)
3669. FETUIN-A Schutz v.Gefäßverkalkung (26-33,60,03,34),
3668. FRU_fruitless_sex.Zugehörigkeit_iso A-M (61,01-37,35,61,01,33,26,56)
3667. Or67d_Pheromon_Männchen dämpfend_(08-08,51,42,24)
3666. Agouti_gelbes Fell & Fressucht_mm+hm
3664. Atp5a1_Maus-Mensch_Darmkrebs-Risiko_ !!!
3663. PAX5_Leukämie ALL_14-28,61,12,01)
3662. SH3BP2_Cherubism_33,13-23,61,0131,34,01
3662. TCTP_Schlüsselprotein Organwachstum_Krebs_(61,11_43,62,10,01,55,24-33...)
3621. Kasugamycin_Ribosom-Antibiotikum-Komplex_(61-01,19,61)+++
3620. MYOD1_regulates muscle cell differentiation, cell cycle arrest (44-59,01,01)
3619. HEY1,-2,-3_Herzwachstum_(3 iso) (01-05,61,34) (09-05,60,01)
3616. MB_Myoglobin_Herzinfarkt-Marker_(01-61,33,43,43,33-33...12)
3615. DEGP 7 PDZ_arath
3614. MPDZ human
3613. YVTV PDZ_bacsu
3612. PATJ +INAD_PDZ-drosophila
3610. PODXL1_Podocalyxin Metastasen-Bildung(01-33,44,01,33,01,34,61)++++
3609. PODXL2-_Podocalyxin_(33,43)+++
3608. MAP4K3 +mTOR
3606. ABCC8 (33,09-)Diabetes_ask for Cancer++
3605. Netrin 1_axon guidance, cell migration, cancer development. (33,01-62,43,61,25,01,09)++++
3604. Tango_Apoptose (33)++++
3603. CHRM 2_Intelligenz (02-45,16,20,01,43-..12..)
3602. Olig 2_Gateway-gen_Gehirntumor_(13-50,34,28,20-..56,33...33.)
3601. HDAC 2-Histondeacetylasen_Verstärkung d.Histon-Verpackung (33,02-08,01,61,02,02,62,01-...33..33..)
3600. JARID1d+Ring 6a_Öffnen u. Schließen des Genoms_(54,12-01,41,20,20,32,33-

- 33,61..)
3599. PAX5_Leukämie ALL_14-28,61,12,01)
3598. TCTP_Schlüsselprotein Organwachstum_Krebs_(61,11_43,62,10,01,55,24-33...)
3597. A1-ADORA 1_Adenosin-Receptor_Müdigkeit (04-03,02,47,38)
3596. E2F3_y-Chr. bladder cancer,retinoblastoma
3595. EMAP2=EML2_novel anti-tumor cytokine
3594. Rev_HIV
- 3593.. VvMYBA1 + 2_rote Trauben,weiße Trauben
3590. Homo neanderthalensis Mitochondrien-Genom (40 Mol)
3550. MAGUK_PDZ_Protein- Protein Interaktion
3549. KCNJ11_(41-34,04,12,50-..12.56.)
3548. GCK_Glucokinase Diabetes-MODY 2 (38)(43)
3547. TCF2-HNF1 beta_MODY5
3547. MOCS2_Molybdän-Co-Factor-2.Phase
3546. NEF_Human + Simian immunodeficiency virus 1(44,61) (61-10,29)++++
3544. PRP8_DHX16 DEAH (asp-glu-ala-his) box polypeptifRetinitis Pigmentosa !!pdb!
3543. NLGN1_Neurologin_Autismus
3542. NRXN 1_neurexin_Autismus
3541. SYNE1_Autosomal Recessive Cerebellar Ataxia_(01-01,01.47)
3540. SP110_Hepatic veno-occlusive disease with immunodeficiency_(01-34,33,01,34,30,49)
3539. PRL Receptor_Prolaktin_stoppt MS
3538. DMT1_CHMP2B Membrantransporter Eisen (01,13-44,01,37,06,01,61,63)
3537. DNAJC 11= FLJ10737_cand. tumor supp. neuroblastoma (14, 61-14, 34, 54, 13, 15, 14, 20)
3536. MOCS1_Molybdän-Co-Factor (31-20,14,55,43)
3535. Troponin 1_Hypertrophe Kardiomyopathie+Mut.R145G (4 Mol) (...33..56..33)++++
3531. Butyrate-ManNAc_causes cancer cells_(54AGT-43,32,16,20-..33..56..)
3530. Dbp 5_neuer STOPP-Faktor_(15,02-62,60,35,24,16)
3529. dddD_Meeressduft-Gen_02-02,19,20-29,02,20,34,20,19,02,19,61,20)+++
3528. DDX19B_DEAD (Asp-Glu-Ala-As)_Erkennung des Stopp-Kodons_(3 iso) (61) (11) (60,61)
3525. Hmr(10,55-...33. +Lhr_(33,19----19...19...) make fruit fly hybrids sterile (4 Mol)
3521. MMP12_promotes artherosklerose, cervical cancer_(32-21,34,04,34,61-!!...33..33,33)+++
3520. PALLD_Palladin_01-01,01,43-13..61,34,33...)
3519. PMR1_ATP2C1 ATPase, Hailey-Hailey disease (4 Var)8_(20,19,23,02-..56..)
3514. PTPN22_controlled by FOX P3
3513. Usher Syndrome DFNB31 deafness_Whirlin_(33_08,28,43)
3512. WTX_FAM123B_Wilms tumor X_(14-61,34,32,60)
3511. PB1-F2_Influenza A_Anti-Immunsyst_(34-01,09,45-01,49,01..61,62..)
3510. Netrin 1_axon guidance, cell migration, cancer development. (33, 01-2,43,61,25,01,09)++++
3509. Myosin X-MYO 10_molecular motor_(01-30,14,43,01,34,01,53_...33,56..33..33..)
3508. DCC_deleted in colorectal carcinoma 61,59-33,08,01,12,20,01
3507. EMAP2=EML2_novel anti-tumor cytokine (62,02-15,..07..46,46,33)
3505. E2F3_y-Chr. bladder cancer,retinoblastoma 01-33,09,25,37,14)
3504. aminoacyl-tRNA synthetases (20 Mol)
3484. Adenoviren + Antigene (36 Mol.) // work at progress
3448. Homo Neanderthalenses (43 Prot.)
3405. B-MYB_MYBL2 v-myb myeloblastosis viral oncogene_(13,01-50,13,01,34,01,14,06)

3404. **DYRK1A_serine-threonine-protein kinase_learning defects, Down_(44,26,01)(5var)**
3399. **FLT3_acute myeloid and acute lymphoblastic leukemia_(13-42,01,33,60)**
3398. **LIN-9_Genshalter für Zellteilung_(09,33-43,11,01,62,01,33,44-...33...33..)**
3397. **MUSK_muscle, skeletal, receptor tyrosine kinase_13-50,61,34-59,33,41,33,...)**
3396. **P2RY2_different thyroid tumors (3 var)-(03-60,07,60,35)**
3393. **PRPF4B_serine-threonine-protein kinase (01-01,01,20-...33...)**
3392. **PTK2B_protein tyrosine kinase 2 (55-53,13,20,14 oder 61)**
3391. **PTPRA_protein tyrosine phosphatase, gastric cancer progression (3 iso) s)(01-01,34,01-33,34,13,...)**
3388. **PTPRC-hep.C virus inf.,down-regulate T cell activ. -(3 iso)(34-01,51,01,34-33,13...12..)**
3385. **SIRPA-inflammatory disease,brain tumors_(33,01-35,43,14,43,14,01-9,12....33..12..)++**
3384. **TNK- nonreceptor tyrosine kinase_(55,59-48,61,16,36,04,01,33,16)**
3383. **TSSK2_testis-specific serine-threonine (SerThr) kinase_(01-09,30,61,61)**
3382. **TYRO3-_signal transduction and cell adhesion(02-45,62,19)**
- 3381. ARMCX1 armadillo repeat containing, X-linked 1_tumorigenesis (33)**
3380. **ARMCX2 armadillo repeat_tumorigenesis (2 iso) (43,20-33,09,11,62,62,44,60)**
3378. **ARMCX3 armadillo repeat, X-linked 3_tumorigenesis (3 iso) (53_08,11,34,33-..33..33..)**
3375. **BAGE_B-Melanoma antigen_(16-40,12,46,42-...12..)**
3374. **BRWD3 open function_mgl. cancer (12,61-19,59,33....)**
3373. **DDX53 DEAD (Asp-Glu-Ala-Asp)box pp_develop gastric cancer, hepcell. carcinoma(01,44-10,...33..)**
3372. **DLEU 1_deleted in lymphocytic leukemia, 1**
3371. **ECH 1_enoyl Coenzyme A hydratase 1(11-26,06,23,61-33,53,12...)**
3370. **FABP3 fmuscle and heart growth inhibitor,cand. tumor suppressor breast cancer (01-33,13,61,31)**
3369. **FASN_enhance tumor cell death, hyperactivity in cancer cells (11-30,11,16)**
3368. **MBOAT5-open fuction (02,23-02,52,35,1,19,03)**
3367. **MSN-lymph node metastasis of oral squamous cell carcinoma_58,01-26,59,60,10,01,43,01)**
3366. **MTCP1 mature T-cell proliferation (61-09,02-...33..33..)**
3365. **MYEOV_Gastric adenocarcinoma, squamous cell carcinomas (02-19,62,20)**
3364. **NONO_non-POU domain containing_(11-01,11,20,01,14)**
3363. **OAS_hepatitis C virus infection_mgl cancer (var1_13-60,61,34,43-...33,33..)**
3362. **OLIG2_tumors of the brain, lymphoblastic leukemia_(13-...56,33..33...56..33..33...56...56..56..33..)**
3361. **PDCD10=CCM3_programmed cell death _01-34,43,43,44,14,01,05-...33,33,..56..)**
3360. **PER1_survival of cancer cells**
3359. **MAGE_melanoma antigen family 26 gene**
3333. **RAGE_renal tumor antigen_(01-01,34,01,13,10-09,6133,33,...33..56..)**
3332. **RBM15_acute myeloid leukemia (53-52,11,13,14..)**
3331. **SAGE_Sarcoma antigen_(01-09,34,30-...33.56.33..)**
3330. **SELENBP1_prognostic information of ovarian cancer_(11-01,31,62,34,01-33..33.)**
3329. **Sindbis Virus_killt Tumorzellen (3 mol)**
3326. **TFE_pediatic renal carcinoma_59,13-12...)**
3325. **YEATS 4_amplified in tumors 09-30,11-...33,09..09..)**
3324. **YY1- lung carcinoma,neg. regulator of p53_(01-..13,13-...33..33...)**
3323. **YY2_antagonizes the negative actions exerted by YY1(43-26,01,38,01-...13..12..)**
3322. **ZYX_Tumor-suppressor_using adenoviral vectors_(44,13-...25...)**

3321. ZZEF1 zinc finger prot._(57-59,31,10,44-..56..)
3320. ARL 6_Bardet-Biedl (31,16)
3319. BBS 2_Bardet-Biedl (12-19,56,61)
3318. MKKS_McKusick-Kaufman syndrome (24,56-42,24,20,15,09,32,15)
3317. PTHB 1_parathyroid hormone-responsive B1_Bardet-Biedl syndrome_(4 iso) (33)
3313. TRIM32_Bardet-Biedl +interacts with HIV-1 Tat protein (32-03,28-06,15,60,54,34,60,08,20)
3312. TTC 8_Bardet-Biedl (3 iso) (01,10-33,43,09,33,59,33)
3309. Nbs 1_neurodegeneration,Immunschwäche, Krebs (mm) (33-15,33,01)++++
3308. MAPK14 mitogen-activated protein kinase 14 (4 iso (19-61,20,07)
3304. AVP_arginine vasopressin_cognition, tolerance, adaptation and complex sexual and maternal behaviour (35,62-27,21,03,19,44,20)
3303. M-beta--20,11,62,62-..11,20,20..62..)
3302. ID BH3 interacting domain death agonist, antagonist BCL2 (2 iso)(13-31,30,61-)
3300. BMP4 bone morphogenetic protein 4 (59-56,62,09,13,11)
3299. C1S complement component 1, s subcomponent (2 iso)(30,35-..56..)
3298. C3 complement component 3(01-143333,14,10,13)
3297. Cart_cocaine and amphetamine(rattus) (39-02,60,06,05-..12,33...)
3296. CAV1 caveolin 1, caveolae protein, 22kDa (01,24-..61,11,24,02)
3295. CD14 (20-20,15,10,10)
3294. CDK5 cyclin-dependent kinase 5 (27-60,62,59-..33..)
3293. CEL carboxyl ester lipase (33-62,33,01)+++
3292. Chuk_conserved helix-loop-helix ubiquitous kinase_colorectal tumors (33)+++
3291. CP ceruloplasmin (ferroxidase) 01-13,01,10,01-..33..)
3290. CSTA cystatin A (stefin A) (01-33,05,61-..33...)
3289. CTGF connective tissue growth factor (20-02,46,09,01)
3288. CYBA cytochrome b-245, alpha (20,10-...12..)
3287. CYP2C19 cytochrome P450 (33,34-15,10,33,61,13,02)+++
3286. CYP2E1 cytochrome P450 (33,01)++
3285. CYP19A1 cytochrome P450 (55,01-60,30,27,34,61,10)
3284. DCN decorin (6 iso) (33-27,61,05,56)
3283. DLD dihydrolipoamide dehydrogenase (62,42-24,33,62,55,19,34)
3282. EIF2AK3 eukaryotic translation initiation factor 2-(44,39,43,01,09-..33...)
3281. EIF2S1 eukaryotic translation initiation factor_(44-12,43,58-..5633..33..)
3280. ELN elastin (melanoma, Williams-Beuren syndrome) (02-02,02,02-02...62,62,62..)
3279. ERCC6 excision repair cross-complementing rodent repair deficiency(34,01-01,43,19,57,01,34)
3278. F2 coagulation factor II (thrombin)_(08,09_20,20,60,61,22,43,61)
3277. F2R-F2 receptor (51-31,32,02,19,08)
3276. FNGR2_Interferon Gamma-Receptor-Autoimmunitysystem_alt (62.33) +++
3275. FTL ferritin, light polypeptide (41,61-30,20,,54,01,62,34)
3274. GGT1 gamma-glutamyltransferase 1 (5 iso) (33-02,26,10,29,34,14,55-..33..33..12...33)
3269. GH1 growth hormone 1 endometrial carcinoma (33-02....61..33...)
3268. GK glycerol kinase (2 iso) (54,08-44,41,02,62,19,55)
3267. GP5 glycoprotein V (platelet) 33,16-0258,61,20,12,45)
3266. HGF hepatocyte growth factor (5 iso) (01-13,0110-...33..33..)
3265. HLA-B major histocompatibility complex, B (13-42,01,13,34-...33.33)
3264. HSPA5 heat shock 70kDa protein 5 (20-52,19-...33..)
3263. HSPA8 heat shock 70kDa protein 8 (09-49,11-48,33,53,10,11,27,01,34-...33.33..)
3262. IKBKAP inhibitor of kappa light polypeptide gene enhancer in B-cells (16-23,03,07,10,13-..33.33..)

3261. IKBKG inhibitor of kappa light polypeptide gene enhancer in B-cells (01-32,13..)
3260. ITGA2 integrin, alpha 2 (CD49B, alpha 2 subunit of VLA-2 receptor)(43-13,63,06,04-..33...56..33)
3259. ITGAM integrin, alpha M (complement component 3 receptor (01-09,14,10,33-33...12,33,))
3258. MIF macrophage migration inhibitory factor (glycosylation-inhibiting factor) (37-06,38,44,44)
3257. MSH6 mutS homolog 6 (E. coli) (13-42,34,34,09,11)
3256. MYH7 myosin, heavy polypeptide 7, cardiac muscle, beta (01-14,,01..-09..01,59)
3255. NARS asparaginyl-tRNA synthetase (05,62-01,11,42,45,14,19-33..33...33..13...12)
3254. NDRG1 N-myc_stress responses, hormone responses, cell growth, and differentiation_44-59,61,01,62
3253. NEFH neurofilament,ALS,sporadic motor neuron disease_44-21,01,01,01-06,54,54,10,01,33...)
3252. NPM1 nucleophosmin numatrin)_malignancy of cancer cells (3 iso)_(10-10,56,44-..56,33,...56...)
3251. NTRK1 neurotrophic tyrosine kinase, receptor, 3(3 iso)_(02) (08) (07)
3250. PAWR PRKC, apoptosis, WT1 regulator_ (01-43,33,01,01)
3239. PDGFRA platelet-derived growth factor receptor (63-52,09,35,03)
3248. PECAM1 plateletendothelial cell adhesion molecule (CD31 antigen)_ cancer cell growth and metastasis(01-33,01,33)
3247. PHB prohibitin_regulator of cell proliferation, tumor suppressor, cellular senescence. (56-02,37,56)
3246. PIK3CA phosphoinositide-3-kinase, catalytic (19-09,62,19,24)
3245. PLAU plasminogen activator, urokinase (01-33,14,01,55)
3244. POLA polymerase (DNA directed) (05,34-61,53,42,13,01,23)
3243. POR P450 (cytochrome) oxidoreductase (05,34)
3242. PRKCZ protein kinase C, zeta (3 iso)_09,37-09,31,33,53,31,61,01)
3239. RAC1 ras-related C3 (rho family)_control of cell growth, cytoskeletal reorganization_ 41,14-37,35,36,33,09,41,10)
3238. RARA retinoic acid receptor_promyelocytic leukemia (PML)(3 iso) (09,13-44,31,10,55,13)
3235. RHOA ras homolog gene family (15,43-35,42,45,49,44,11,51)
3234. SCN5A sodium channel, voltage-gated, type V, alpha (long QT syndrome 3) (10,62)
3233. SEC13L1 SEC13-like 1 (S. cerevisiae)
3232. SGCB sarcoglycan, beta(dystrophin-associated glycoprotein)_(33-15,33,34,61-...33..33..)
3231. SHC1 SHC (Src homology 2 domain containing) (2 iso) (09-33,06,44,13,54)
3230. SLC2A1 solute carrier family 2 (facilitated glucose transporte) (02-62,02,20,19,16,08)
3229. SYP synaptophysin_integral membrane protein of small synaptic vesicles in brain and endocrine cells (23-20,23,41-23,20,09,24,20,..12..)
3228. TCF4 transcription factor 4 (49,34)
3227. TIPM1 TIMP metalloproteinase inhibitor 1(31,54-...12,19..)
3226. TP73L tumor protein p73-like (01,13-61..33....)
3225. ZBTB4 zinc finger and BTB domain containing 4 (01-61,33,01m11-...33..33..)
3224. ZBTB33 zinc finger and BTB domain_(62,01-...33..)
3223. BCHE butyrylcholinesterase (62,62-62,34,23,62,58,62,43)+!+!+ //31.12.06
3222. CBL Cas-Br-M (murine) ecotropic retroviral transforming sequence (61-43,62,01-33...33)
3221. CCL2 chemokine (C-C motif) ligand 2 (33-20,01,09)

3220. CLU_clusterin (2 iso)(3314-19,01,13..)
3219. CRH corticotropin releasing hormone (31,61-02,33,11,25,08,49,44)
3218. CYP1B1 cytochrome P450, family 1, subfamily B, polypeptide 1(16,41-)+!!+
3217. CYP2C9 cytochrome P450, family 2, subfamily C, polypeptide 9 (32,34-56...)
3216. DDC dopa decarboxylase (aromatic L-amino acid decarboxylase) (26-09,31,32,06,19)
3215. ERCC2 excision repair cross-complementing rodent repair deficiency
3214. FAP fibroblast activation protein, alpha (62-19,44,29-33...)++
3213. FLNB filamin B, beta (actin binding protein 278) (01-01,05,13-..33..33)
3212. FOLH1 folate hydrolase (prostate-specific membrane antigen) 1(43-13,37,53)
3211. GALC galactosylceramidase (02,13-02,46,45,11,25,61,33,19)
3210. GJB2 gap junction protein, beta 2, 26kDa (connexin 26) (61,34)
3209. GNAS GNAS complex locus (5 iso)
3204. GSTP1 glutathione S-transferase pi (53,05)
3203. IGF1R insulin-like growth factor 1 receptor (61-09,20,61,34,15-33....12..)
3202. ITGA2B integrin, alpha 2b (platelet glycoprotein IIb of IIbIIIa complex, antigen CD41)(42-11,02,01,55)
3201. KCNMA1 potassium large conductance calcium-activated channel, (2 iso)(20-16,15,25,09)
3200. LIPA lipase A, lysosomal acid, (Wolman disease)(07-12,62,19,20)
3199. MEF2A MADS box transcription enhancer factor_(01-43,28,05,34,05,34)+++
3198. NAT2 N-acetyltransferase 2 (arylamine N-acetyltransferase) (20-19,16,43)
3197. NOS3 nitric oxide synthase 3 (endothelial cell) (14-44,33,41,14,33-56..33..12..12..)++
3196. NTRK2 neurotrophic tyrosine kinase, receptor,(5 iso) (33-20,34,14-...33..)
3195. PARK7 Parkinson disease (autosomal recessive, early onset) 7 (08,59-62,62,60,,56..61)
3194. PF4 platelet factor 4 (chemokine (C-X-C motif) (53-07,42,01-..56..)
3193. POU5F1 POU domain, class 5, transcription factor 1(31-02,57,53,34-..56..33,33..)
3192. PRKCG protein kinase C, gamma (57-12,53,10-..33..33...33..12..)
3191. PPRKG1 protein kinase, cGMP-dependent, type I
3190. PTGDS prostaglandin D2 synthase 21kDa (brain) (02,01-20,19,04,14,09,01,42)++
3189. PTGS2 prostaglandin-endoperoxide synthase 2 (prostaglandin GH synthase and cyclooxygenase)(25,20-
3188. SELP selectin P (granule membrane protein 140kDa, antigen CD62 (61-01,19,44)-...12..63)
3187. SP1 Sp1 transcription factor (14-01,01,32)
3186. SREBF1 sterol regulatory element binding transcription factor 1 (14-13,30,12,02-...12,33,..)
3185. TAP1 transporter 1, ATP-binding cassette, sub-family B (MDRTAP)(08-07,24,53)
3184. TAP2 transporter 2, ATP-binding cassette, sub-family B (MDRTAP) (2 iso)(02,20-02,16,02,20,02,33,62,34)
3183. TAZ tafazzin (cardiomyopathy, (X-linked); endocardial fibroelastosis 2; Barth syndrome)(5 iso)(24-53,07,52-62,31,14,59,07,51,52,55,39)
3178. TBP TATA box binding protein (01,09,01,09,15)
3177. TIMP2 TIMP metalloproteinase inhibitor 2 (33,01-29,61,33....)
3176. TPI1 triosephosphate isomerase 1 (34-44,33,19..)
3175. UBE2C colon cancer with liver metastasis (33)
3174. VAT1 vesicle amine transport protein 1 homolog (T californica) (60-09,16,06,32)
3173. YWHAZ susceptibility gene for paranoid schizophrenia (05-26,06,06-..12..)
3172. CART cocaine and amphetamine regulated transcript (rattus) (39-02,60,06,05-..12,33...)
3171. DUSP1 dual specificity phosphatase 1 (12-23,39,33,62)

3170. F7 coagulation factor VII (serum prothrombin conversion accelerator) (2 iso) (b_35-35,21,641,34,12)3268. GHR growth hormone receptor (22,12-31,11,22,20,56,01)
3167. GM2A GM2 ganglioside activator (18,23)
3166. GSR glutathione reductase_ lung tumors (20,33)
3165. GSTM1 glutathione S-transferase M1 (2 iso) (01,30) (01,13)
3164. HADHA hydroxyacyl-Coenzyme A dehydrogenase (34-33,43,07)
3163. KiSS1 Hormon_Anti-Liebesleben-+Tumor Suppressor (44-03,61,61,14,42)
3162. LCK lymphocyte-specific protein tyrosine kinase (2 iso) (01-58,01,61,33,61,33)
3161. MAPK14 mitogen-activated protein kinase 14 (19-61,20,07)
3160. MMP9 matrix metalloproteinase 9 colla (62-62,61,19)
3159. SELL selectin L (lymphocyte adhesion molecule 1) (34-37,33,52,33)
3158. TCF1 transcription factor 1, hepatic; LF-B1, ,albumin proxi (01-01,43-30,09,01,30,01,53,01)
3157. SELL selectin L_inflammatory diseases, gastritis, duodenal ulcer and gastric cancer (34-37,33,52,33)
3156. AGL glycogen storage disease (6var) (34,61-09,13,07,34,02,28)
3150. AAAS achalasia, adrenocortical insufficiency, alacrimia (Allgrove, triple-A)19,02-13,02,19,23,27,16)
3149. ABCA1_cholesterol efflux pump in the cellular lipid removal pathway(55-50,57,19),
3148. ABCA4_Stargardt disease , asoc. retinitis pigmentosa-19 + macular degeneration(41-01,08,41-..33...))
3147. ABCB7_multidrug resistance as well as antigen presentation (51-55,12,09-...33..)
3146. ABCC1 advanced breast cancer, multidrug resistance in gastric cancer cells(2iso) (02,41-02,19,27,13,16,32)
3144. ABO blood group transferase A (07-59,0,08,01)+++
3143. ABR active BCR-related gene,vestibular morphogenesis, coordinate motor skills and balance (2 iso) (01-33,01,01)
3141. ACACB_fatty acid biosynthesis (01-26,13,61)
3140. ACADL-nonketotic hypoglycemia.-mitochondrial (60-44,20,60,10,19)
3139. ACADS_ACADS hereditary deficiency (27-50,04,41,01,44)
3138. ACCN3_acid sensor, role in the detection of lasting pH changes (3 iso) (58,34-61,32,42,05,28,24)
3135. ACP1 polymorphic, type 1 diabetes, allergy (3 iso) (01-61,34,01,12,55)
3132. ACVRL1_hereditary hemorrhagic telangiectasia (HHT) (2iso) (16,01)
3130. ADAMTS3_extracellular matrix degrading enzyme (38-33,54,56,44,53)
3129. ADCY3_pathophysiological metabolic processes (08-24,19,11,26)+++
3128. ADCY7_catalyses the formation of cyclic AMP from ATP and is inhibitable by calcium(56-20,61,41,20-..33..12..)
3127. ADH5_alcohol dehydrogenase (55-55,34,08,63) +++++
3126. ADORA2A adenosine A2a receptor (02-35,23,23,39,01-..56...56...)
3125. ADRA2A attention deficit disorder with hyperactivity (29-03,20,42,01,02)++
3124. ADRB1_heart failure_open-angle glaucoma (16-24,41,16,31,20) +-+
3123. ADSL autism_ADSL deficiency (35-20,56,12,32,10-..33..33..33..)+++
3122. ADSS adenylosuccinate synthase (13-60,33,33,60,20)+++
3121. AGER_cell surface molecules_oral squamous cell carcinoma_lung cancer (2iso)(6130,62,34,09,44-..33..33..)
3119. A4GALT_P(k) antigen of the P blood group (23-20,19,32,01)
3118. AGXT_Oxalosis I (61-61,62,33,34)
3117. AIRE_autoimmune regulator_autoimmune polyendocrinopathy-candidiasis-ectodermal dystrophy (APECED)(2 iso)(35-02,59,54,46)
3115. AKT2 ovarian carcinoma, pancreatic cancer, hepatocellular carcinoma 843,09-

- 14,01,55,33,31-.33..)
3114. ALDOB_hereditary fructose intolerance (01-58,58,61,62-..12...33..)
3113. AOC3_various inflammatory and other myopathies (44-36,33,30)
3112. APO A1_apolipoprotein_HDL deficiencies,risk of violence, myocardial infarction,coronary artery disease (01-33,01,01)
3111. APO B_recognition signal for the cellular binding_increased risk of violence_myocardial infarction (01-14,14,33,01,61,44-33..56...)
3110. APO C2_increased risk of pancreatitis and early atherosclerosis (44-59,01,10—..33..12..)
3109. ARSE_X-linked chondrodysplasia punctata (CDPX), abnormalities in cartilage and bone development (15,41-20,22,15,05,02,12,12)
3108. ASPA_Canavan disease (19-57,19,62-12...)
3107. ASS1_citrullinemia (20-62,29,01,31,51)
3106. ATR_PI3-PI4-kinase family_ataxia telangiectasia_reperfusion in solid tumors (33-62,61,58)
3105. ATXN7_not known
3104. AVP arginine vasopressin_cognition, tolerance, adaptation and complex sexual and maternal behaviour (35,62-27,21,03,19,44,20)
3103. AXL_chronic myelogenous leukemia-associated oncogene , colon cancer and melanoma (2 iso) (43-13,43,42)
3101. AMA1 Malaria-Antigen_ (33,01-62,09,14,61,01,01)
3100. A1BG_alpha-1-B glycoprotein_unknown function (09,20-33,11,43,16,23,33-..61,61..12..61)
3099. AADAC_initial biotransformation pathways for heterocyclic amine carcinogens (35-35,41,56,24-..12..61..12..)
3098. ABCC9_MRP subfamily_multi-drug resistance (08,11-02,19,11,61,31,02)(2 iso)
3096. ABCC11_ear wax (27-55,72,56,19,15) (3iso)
3093. ABCD1_inherited demyelinating disorder of the nervous system (57-59,53,37-..26..42,42..)
3092. ACACA-i.V.m BRAC1_breast cancer predisposition_multifunctional enzyme system (33-15,01,61-..33,61..61) (2 iso)
3090. ADCYAP1-pituitary_hypophysiotropic hormon_neurotransmitter and neuromodulator (44,42-59,49,13,50,35,34)
3089. ADH1B_major role in ethanol catabolism_ (62-02,01,20,19)+!+!+!
3088. ADM- adrenomedulli_Kawasaki disease_blood pressure, carcinogenese (33,43-02,61,33,01,33,38-...33.33....33,56))
3087. AGA_aspartylglucosaminidase_development of congenital disorders of glycosylation (33--23,32)
3086. AGT_angiotensinogen serpin peptidase inhibitor_(34,59-33,61,24,39,62,34)
3085. ALB albumin_one-half of the blood serum protein_carrier prot. for steroids, fatty acids, hormones (62,61!!!!)+++++
3084. APOD_apolipoprotein D_senescence-associated gene in normal human oral keratinocytes_lipoprotein metabolism (33,41)++
3083. CASR_autosomal dominant hypocalcemia (30-06,01,36,12)
3082. GTR1 angiotensin II receptor_controlling blood pressure_ (23-02,07,59,45-20,02,07,56..)(4 iso)
3078. LIF_leukemia inhibitory factor (33,01-20,0137,43,33,26,38)
3077. ACADM_acyl-Coenzyme A dehydrogenase (19-33,20,45,20,03)
3076. AHCY_S-adenosylhomocysteine hydrolase (50-41,44,54,61,33)
3075. CCR4_chemokine (C-X-C motif) rec_.CD184 antigen_WHIM syndrome_Brust-Krebs (60-61,45,42,56-..33..33..56..)

3074. GRB2_growth factor receptor-bound protein 2 (01,61-..19..33)
3073. HNF4A hepatocyte nuclear factor 4 (5 iso) (01,09-14,15...33,56..33)
3068. NR3C1 nuclear receptor_glucocorticoid receptor (3 iso)(01-43,09,30...61,56)
3065. ABCC4_cellular detoxification (27-42,24,32,02,01)
3064. ADH1C alcohol dehydrogenase ,epigenetic mechanisms in human hepatoma cells (62-24,01,20,19)
3063. ADH7 alcohol dehydrogenase 7 (34-09.25,02,25-..33..33,56.)
3062. ERBB4 v-erb-a erythroblastic leukemia viral oncogene (43-34,10,31,31,13-.33..12,33..)
3061. FOXP3 (01-10,14,10,61,14)
3060. GLA galactosidase, alpha_Fabry disease(23-45,40,56,13,41)
3059. ITGB3 integrin=CD 61 Antigen_breast cancer(13-53,61,01)-...33..)
3058. MDM2 Mdm2_diminishing p53 tumor suppressor function (15,01-15,53,19,58,13,61)
3057. OSM oncostatin_leukemia-inhibitory factor+tumor cell lines (49-31,33,42)
3056. SDHC succinate dehydrogenase_parangliomas,tumorigenesis (4iso)
3052. TCF2 transcription factor 2, hepatic_ovarian cancers, prostate cancer (56-20,09,54,01)
3051. TOP2A topoisomerase (DNA),target for several anticancer agents, topology of DNA (09,44-..13-...33..56..33..)
3050. BUB_aneuploidy and several forms of cancer (43-43,10,11,17-..33...)
3049. DCT_dopachrome tautomerase_TRP2 (62,24-20,61,16,42,19,24)
3048. GCSH glycine cleav. syst. H-Protein_neonatal hyperglycinemia (20,33-20,15,01,62,33,33)
3047. GLDC glycine dehydrogenase = P-Protein_mitoch._glycine encephalopathy (61-28,24,13,28)
3046. IFNG_Interferon Gamma
3045. KLRC4 killer cell lectin-like receptor (01,07-01,43,34,59,19,19)++++
3044. LDLRAP1- Steroidhormon-Cholesterinstoffwechsel (13-53,01,61-....33)
3043. LRP1_low density lipoprotein-related protein 1_(10,01-...36,61,57-...33,33..)
3042. MMP 2_arthritis and metastasis (34,43-33,34,19,01,44,11,12,09)
3041. NCR2 natural cytotoxicity triggering (Killer-Gen)
3040. NKG2D-=KLRK1 killer cell lectin-like receptor (44-32,61-12,01,23,19,15,61,44,28)
3039. NXF1_(10,43-61,56,01,14,01,53,59)
3038. RAE1_Tumor-Oberfläche (40-41,56,62,61) (2iso+3 org)
3033. TRA@ locus
3032. TYR-OCA1A Albinismus(32,38-56,33,20,57,32,36)
3031. ABCB1_ABCB1 ATP-binding cassette (53-16,55,26,27,61)
3030. ADCY1_brain(53-02,36,34,33)
3029. ADCY2 (20-23,19,61,12)
3028. BALB-c (mm) Gelhar 1_(01-01,26,61,01)
3027. CCT7_chaperonin_folds actin and tubulin (39-62,31,06,15)
3026. EP300_prostate cancer cells_(n-2=..33..)
3025. ITGB2 integrin_cell adhesion+ cell-surface mediated signalling (13-31,13,61)
3024. JAK 2 protein tyrosine kinase_ exhibit embryonic lethality (01-33,01,61,44)
3023. NOS2A_Migräne, colorectal carcinoma,carcinogenesis from leukoplakia(09-01,53,25,01-...56..12..33..)
3022. OCA 2 Augenfarbe_Melaninproduktion (40-32,54,24)
3021. Phl p 5b Allergen_Gelhar 2 (3 var)__3D +++
3020. RELA_reticuloendotheliosis viral oncogen (43,01-44,44,22,13,25,09)
3019. STOML3stomatatin-like protein 3_
3018. SLP3 Berührungsreize (33-07,61,49-56..33...33)3117.

3017. PITX2_Axenfeld-Rieger syndrome (ARS), iridogoniodysgenesis syndrome (IGDS), (3 iso)

3014. MTHFR(NADPH)

3013. mec-2 Berührung Fadenwurm (3 iso)

3010. HPV Malignants (incl. part. HPV 16+18) dav 37 neue Gene.

2973. Merlin update + 3 neue Proteine

PPP1CA protein phosphatase 1(16-20,12,02,61)

PPP1R14B protein phosphatase 1,(01-25,63,01,05,62) ,

PPP1R3A protein phosphatase 1(33-23,01,09,02)

2970. BHLHB basic helix-loop-helix proteins (14 Mol+2 iso)

2954. MIER1 mesodern ind.early response (6 Iso)

2948. m-Numb_Notch-Hemmer (09-01,55,44,01,60,10,11)

2947. NTSR neurotesin_hypotension, hyperglycemia, hypothermia, intestinal motility and secretion

2946. ARRB2_ADHD+stimuli hormones, neurotransmitters, or sensory signals(2iso)(01-..13..-..33..33..33..)

2946. MAOA_degrades neurotransmitters, dopamine, norepinephrine, and serotonin_ADHD(33,61-23,33...33)+++

2945. PNMT_epinephrine production_ADHD (34-14,61,02)

2944. SHANK3_language or social communication disorders (01,09-14,10,09,48,01,61)

2943. SLC6A3=DAT 1 ADHD (60,62-30,02,38,46,01,02, 59)

2942. TPH2_UP and BiPolar disorder_unipolar major depression ADHD (19,33-49,20,02,20,33,01)++++++

2941. BHD_regulate tumorigenesis stem cells,renal tumors, Birt-Hogg-Dube syndrome

2940. SERPINH1_risk of prostate cancer in black men (33-64,01,34,43,55)

2939. FNIP1_Birt-Hogg-Dubé Syndrome_gutartige tumors of hair follicles, lung cysts, kidney cancer (33-04,43,01,13)

2938. ARTS-1 type 1 tumor necrosis factor (61-01,02,43-33,34,...33,61..) (2 iso)

2936. AGC1_aggrecan 1 antigen (34-01,34,53-33,61,43,19,53) (2 iso)

2934. BCAM basal cell adhesion molecule (Lutheran blood group_epithelial cell cancer(2 iso)

2932. EIF2C1 eukaryotic translation initiation factor_RNA interference (01-58,14,33)

2931. EIF2C2 eukaryotic translation initiation factor_gene silencing (13-11,01,01)

2930. FSAP_Schutz v.Gefäßverengung Infarkt_i.V.m. PDGF (01,14-33,10,13,44,41,59)

2929. PDGF B Wachstumsfaktor i.V.m.FSAP_Schädigung Gefäße (12-20,59,01) (2 iso)

2927. NCAM1 neural cell adhesion molecule 1_antigen (3 iso)

2924. MKI67 antigen identified by monoclonal antibody Ki-67

2923. Cd200 antigen [Rattus norvegicus] (61-33-27,34)

2922. CD47 Antigen+ Glykoprotein (46-12,55,07) (2 iso)

2920. SLC3A2_antigen_cell growth and tumorigenesis (2 iso)

2918. TNFRSF4_ATC35-Antigen_Tumor necrose factor rec (13-53,01,34-..61,61...61))

2917. CCM2_Sjogren syndrome_membr. prot. immunoglobulin superfamily (34-34,49,02,01,10)

2916. K RIT1_cerebral cavernomas (10,01-..33...)

2915. LIM K1_brain development._Williams syndrome (33-29,01-..33..)

2914. LIM K2_reorganization of the actin cytoskeleton (33,60-07,33..)

2913. RIPK2 receptor-interacting serine-threonine kinase (01-05,61,34,34-..33..33)

2912. RNF 12 ring finger protein (01,19-09,01,26,19,40,61)

2911. ROCK_phosphorylates and activates LIM kinase_u.a. cancer(12!-24,12!,01,01)++++

2910. SLP3-SYTL3_Berührungsreize (10!,43!-34,56,10,01,33,31)++++

2909. TESK1_testis specific kinase1 (62,13-08,43,24,42,01,01)

2908. TESK 2_testis specific kinase1 (62,34-1601,19,09,43,15,57)

2907. Capsulèen_Unfruchtbarkeit dros. (01,60)

2906. PRMT3 arginine methyltransferase_(33,03!)+++

2905. TDRD 1-6 hn+dros+mm.-Tudor_Männl. Unfruchtbarkeit (7+5 Mol)+++

2898. Valois_Unfruchtbarkeit dros.(54-13,41,46,50)
 2897. VASP_cell adhesion and motility (28-41,34,60,14)
 2896. BPS1- Bypass_Wachstumskontrolle, neg. Regulator (20)+++
 2895. update:H19 oncogen(56 stop)+++
 2894. HRas_Harvey rat sarcoma viral oncogene+++++
 2893. KorB_Ulf Lenski(01-61,01,10)
 2892. Matrilin-3_Osteoarthritis (02,61-35,20,60,33,,23,13-..66..61..61))
 2891. MHC2TA_Arthritis+Infarkt + MS (33-62,34,10,33) cancer
 2890. PDGF-D_rheumatische Arthritis (2 iso)(01-44,09,30,19)
 2888. PTPN22_type 1 diabetes and rheumatoid arthritis
 2887. SLO-KCNMB1_Potenz (44,34-32,13,34,33,43,40,46)
 2886. BBS1+TRIM32+ BBS2+ARL6+MKKS + TTC8 +PTHB1_Bardet-Biedl Syndrome
 2879. update:Beta Globin_Sichelzellanemie
 2878. Claudine 1-23_Transmembran-Proteinfamilie (19 Moleküle)
 2859. COL 6A1_Ullrich congenital muscular dystrophy
 2858. COL 18A1-Endostatin_Tumorthherapie_Knobloch syndrome
 2857. CORS2+JBTS1+AHI1+NPHP1+CEP290_Joubert Syndrome
 2852. CTSD_cathepsin D_estrogen-regulated transcrip,breast cance, possibly Alzheimer disease
 2851. CTSE_cathepsinE_gastric cancers, atopic dermatitis (61-33,62,61,52)+++
 2850. GTF2I_Williams-Beuren syndrome
 2849. IDH3A(33)+3B(12)_NAD+
 2847. KRIT1+CCM2 (+PDCD1)_HIV,Autoimmun, Arthritis, Lupus,Sjorgen Syndr.+++
 2845. LepA_neue Klasse von Antibiotika_EF-TU1+ EF-TU2
 2843. MSX2 + ALX4 Enlarged Parietal ForaminaCranium Bifidum (2 Mol.)
 2841. PDCD1_programmed cell death 1 (01-33,01,33)+++
 2840. PEA15_Antiapoptosis + chemoresistance cancer (43-33,05,38,13)
 2839. XPA +ERCC3+ XPC +ERCC2+ DDB2+ ERCC4 + POLH_Xeroderma Pigmentosum
 2832. CCL3L1_HIV Abwehr (33-23,01,30)
 2831. CLARIN-1_usher sndrome3_progressive Taubheit + Blindheit(04,02-4123,41,62,35,02,01,16)
 2830. GATA3_development of breast cancer,
 2829. GOLGA1_complex autoantigen ass. Sjogren syndrome
 2828. LMOD1_eye+skeletal muscle_Graves' disease +ophthalmopathy. (13,01-42,6101,13-
 ..13..13.13)01
 2827. NUMA1_myelodi leukemia, breast cancer risk
 2826. PR3_PRTN3 (62-62,13,16)
 2825. Adk_Adenosin Kinase (rattus) (55-60,14,19,34)
 2824. ADORA2B adenosine A2b receptor (02-02,20,20,56)
 2823. EXTL3 Cancer Marker_colorectal cancer (54-33,32,02)
 2822. REG 1A_colorectal cancer Biomarker CANCER (32,12-59..52,20,59,26)
 2821. tNOX Biomarker prostate cancer CANCER (b 01-14..33,13..)
 2820. Calpain2_tumour cell invasion (34-57,63,02)+
 2819. Src_viral tumour (01,19-01...19)
 2818. CASQ2_Herzmuskel (20-27,20,43,26)
 2817. CODANIN-1_anämie (51-06,41,40,49,59)
 2816. DhbE
 2815. dok-7 downstream of tyrosine kinase 7 [Takifugu rubripes
 2814. Endoglin + ALK1_Morbus Osler
 2812. Gonadotropin_CGB+GNRH1_Unfruchtbarkeit (25-60,03,01)
 2810. GP91 oxidase 1_NOX-NADPH-GP91 oxidase 1_Immunschwäche septische Granulomatose
 2809. GPR 24_intracellular calcium flux+ neuronal regulation of food consumption (56-
 07,61,32,61,55)+++
 2808. KCNC3_K+ channels - neurodegenerative Krankheiten (61-01,15,01)
 2807. LHB+LHCGR_luteinizing hormone_Ovulation (Eisprung) + die Spermienreifung
 2805. MN1_meningioma 1 (14-..33..33) ++++
 2804. RAN +Estrogen receptor_Group Mattaj-EMBL
 2803. S100A4_Metastasin_Metastasen-Wahrscheinlichkeit (20-45,19.34-..12..)

2802. SALL4 Okihiro Syndrom_J.Kohlhase
 2801. SC1_ Verhindert Zellspezialisierung + Verlust der Pluripotenz(39!!)++++
 2800. SERPINA1_emphysema and liver disease (09-33,31,61,31,57)
 2799. SGCG sarcoglycan, gamma _sarcolemmal transmembrane glycoprotein (31-19,37,55)
 2798. SST_somatostatin_colon +ovarian cancer (12-02,59,01,33)++++
 2797. TAL1_T-cell acute lymphocytic leukemia 1
 2796. TAL2_T-cell acute lymphoblastic leukemia 2
 2795. TRIP_association with the Golgi apparatus (11 (01-01..09.01,05)
 2794. UGT2B17_Supp. Prostata-Krebs (02,10-15,23,16,61,41,01-...12..33..-..33..33)
 2793. UGTB2B15_estrogen and androgen concentration(02,13-15,35,40 06,43,34,09-...12...56..33..)
 2792. ULK2_Smith-Magenis syndrome (44-18,49,43,54)
 2791. WDR 33_WD repeat domain 33(01-61,61,43,01,13)
 2790. EPB41_erythrocyte membrane protein
 2789. ACTA1+2 (>>zmlc2)_Herzmuskelschwächung-Myosin (+ MYL2)
 2787. MYL1 ,2 Myosin, Motorproteine Kurzstreckentransport
 2785. CDC 42_Schalter für die Selbsterneuerung neuraler Stammzellen (23,11)++++
 2784. RasGAP_ RAS p21 protein activator
 2783. SALL4 Okihiro Syndrom_ SC1_ Verhindert Zellspezialisierung + Verlust der Pluripotenz (39!!)++++
 2782. CAMTA1_candidate tumor suppressor genes of neuroblastoma(01-01..43.01-..34,43,33)
 2781. Cx36_Connexin 36 =GJA9 (50-59,10,54,33-..3x61)
 2780. IL_23A_Morbus Crohn+Colitis ulceros_Entzündung (33,61)++++
 2779. PON1_might be involved in the tumorigenesis of brain tumours(no)
 2778. PRKACA_Protein Kinase A (61-01,19,34,33) PRKCA_Protein Kinase C
 2777. SOXN_major player in Regulating the sensitization of neuroblastoma cells (61-44,29-..33.61..29..)
 2776. SRPR_signal recognition (docking protein)_ (25,01-31,12,44.35..)
 2775. TNC-Tenascin-C_ extracellular matrix protein_glioblastoms_colorectal tumors (n- 3_..33,61,33,62)++
 2774. IAPP_Bauchspeicheldrüsenhormon,Plaques,Hochdruck(i.V.m.APP)(33.20,01,20)
 2773. SRP_Signalerkennungs-Protein(33-15,34,33,54,01)++
 2772. BRIP1_BRCA1 interacting protein_ Krebs (34-01,13,02,61,13 -33..33..33..)++++
 2771. Dentin-Matrix protein.- erbliche Rachichtis, Colon Cancer (++)
 2770. EAG1_KCNH1_Verbindung mit Krebsprogression= Antikörper (60-49,02,53,01)++++
 2769. GCH-1 Schmerzlinderung (10-01,32,61-..32,26,04,33,29,10)
 2768. G-Protein coupled receptors _ (8 neue +3) Ganga
 2760. HectH9_Ubiquitin Ligase_ Myc-Hemmer_Tumor Antigen (59(33) 01_GtaaAA)
 2759 HPV 18 (3 Gene) → +5 in Nr. 3110
 2756. IFN-alpha_Interferon_Systemischer Lupus Erythematosus (SLE)
 2754. IRF 6 (01-44,01,44,24,55-..33..56..)
 2753. KSN1_KIF5B_Kinesin1(01-05,44,01-..12..01)
 2752. Merlin_(PP1) Krebsentstehung
 + CPI 17 = PPP1R14A
 + MYPT 1= PPP1R12A protein
 2749. NRF2 + KEAP1_ Lungenkrebs
 2747. p63_Oncogen (01,13-0...33...-..33..33..12..)
 2746. RAN-Komplex_5 Moleküle
 2741. RISK_kinase
 2740. RNPC1=RBM38_p53 family
 2739. RTVP1=GLIPR1_prostata cancer (01-33,34,34)
 2738. SALL1+TBX5_Okihiro-Syndrom_erbl. Fehlbildung Arme+,Herz __J.Kohlhase
 2736. SH2_krebsmarker
 2735. SIX2_Nierenentwicklung Stammzellen
 2734. Slynar=AY070435_depression and bipolar disorder (59-54,51,33,45,02-..56..33..12)
 2733. TDP 43_ALS+HIV-1 gene expression (62-24,01,19.19,34)
 2732. TF+TFRC+TFR2_Tranferrin_Eisentransport

2729. BLR_Burkitt lymphoma receptor 1, GTP binding protein
2728. GBP1_Reaktionsmechanismus Immunproteine
2727. ATRX_Thalassemia_ thalassemiamental retardation syndrome X-linked
2726. p75_TNFRSF1B tumor necrosis factor receptor(61-33,40,01,33,60)+++
2725. PPARGC 1a_pcg-1@
2724. ATP13A2_Kufor Rakeb Syndrom(61-33-02,33,34)
2723. Calcineurin_Schlüsselfaktor Diabetes
2722. Calpain2 +Src
2720. CDNK1A_p21 Krebs + Seneszenz (60,61-33..)+++
2719. CHIC2 cysteine-rich hydrophobic domain 2
2718. CXRCR4+Vhlh+_Glomerulonephritiden
2716. DMBT1_Metagen _bei Krebs-Absenz_DKFZ (32,34 + 41)+++
2715. ILK_Kontrolle Herzschlag
2714. KLF4_Jungbrunnen
2713. MBP_Lernprozesse
2712. MDS2_myelodysplastic syndrome
2711. Glutamate Rezeptoren:
 GRIN1_3 iso (.12,56..)
 GRIN3B (20-08,15,33,61-..33..561..61)
 GRIN 2A_NR2A (28,13- 28,13,53,53,01,14)
 GRIN 2B_NR2B_ (11,13-13,31,02,53,01,34)
 GRINA_2 iso (34-33,01,02,24)
2703. GABA B Rezeptoren, gamma-aminobutyric acid
 GABRR1(60,01-33,62,53,61,33)
 GABRQ (01,44-34,34,37,03,33,34,14)
 GABRE_4 iso (44,07-12,14,61,41,52,07-20,12..12..56..12..)
 GABRB3_2 iso (18,33-56,31,54,62,01-.56..33..33.33.)
 GABBR1_4 iso (36-53,06,19-..56..33..)
 GABARAP (54-10,32,62,14-..12..33..))
 ABAT_2 iso (14.01-44,18,14,09,01)
2688. SLC32A1 GABA vesicular transporter (14,62)
2687. 5HT3-5-hydroxytryptamine (serotonin) receptor 3A_2 iso (33,03) (33,62)
2686. NEMO (+IKK2NF-kB) Multiple Sklerose-Minderung (viel 61)
2685. NOD 2= CARD 15_Crohn disease(07-56,20,20,56)+++
2684. PKD2L1_Rezeptor sauer
2683. RPL10 Autismus_DKFZ
2682. SLC6A4_5-HTT= Depression,Alz,e.a
2681. SLITRK1_Trichotillomanie+Tourette Syndrom (35,01)
2680. Thermus thermophilus bact. Ribosom_Struktur
2679. UCHL1_Enzym Gedächtnis(61,09)
2678. UNC-93B_Herpes Simplex
2677. VSV Matrix Protein (44-56,01,10,56,33,01,43,02-33,56..33..56..)
2676. APM1+ADIPOR_Adiponectin_Fettleibigkeit
2674. CDC2_ cell division cycle 2, G1 to S and G2 to M
2673. CHAF1 A+B_Bildung von Chromatin
2672. CLEC10A=HML_inflammation and immune response
2671. eEF3 Proteinsynthese Pilze
2670. Efg1p_silencing
2669. ECFP-cyan_
2668. EGFP(grün)
2667. EYFPgelb
2666. EBFP(blau)_
2665. GFP Anemonia sulcata asFP499 mRNA(34,13)+++
2664. GFP_Kaede Trachyphyllia geoffroyi von grün nach rot(05,32)++++
2663. GFP_orange fluoresz
2662. GFP-RFP_Rot-fluoreszierendes Protein

2661. PKM2 pyruvate kinase, muscle_Krebs-Kontext (32,56-..01,02,19,61,32)
2660. PSMD4-Asf1_proteasome (prosome, macropain) 26S subunit, non-ATPase, 4
2659. RPL10_Autismus
2658. SER3 123+234
2657. Rx3_Zellmigration Auge (33-20,43,61)+++
2656. SIR T1-3 gene silencing hs_Altern
2653. TR4_HMR=NR4A1_Alzheimer
2652. 5'-nucleotidase, cytosolic III
2651. 5-HTT= SLC6A4 Depression, Alz,e.a
2650. PD1=PDCD1_HIV-Abwehr_T-Zellen Regeneration
2649. HAR1F_Entwicklung der Großhirnrinde (4 Struktren)+++
2648. Borna Virus_Depression (MDD) (27,51-60,19,41,60,41,62)+++
2647. DCX_double cortin (rattus+ mus musc.)_doppelter Cortex
2646. DOK-7_Kongenitale Myasthene Syndrome(CMS)-Muskelschwäche
2645. ERK 1+2=MAPK3+1_Biomarker Alzheimer
2643. HCRT, HCRT1,-2_Orexin_Botenzstoff Fettleibigkeit
2641. Human Adenovirus_Ad-36,-37 +-31,-02_i.V.m.Fettleibigkeit
2637. JET_light signals from CRY to TIM
2636. mRFP1-Q66T Fluorescent bacteria proteins (5 Mol)
2631. Oxyntomodulin_Fettleibigkeit
2630. Q4JET8_ADE04_Human adenovirus 4 (HAdV-4)(45-23,03,,53,39)
2629. RELN-Reelin_schizophrenia, autism, bipolar disorder, major depression (62-62,33,19,62)
2628. SRB1 Entstehung Gallensteine
2627. Barx1, Dlx1+2_Mesenchym_molare Zähne
2625. Coenzym Q_reductase_Strahlenschäden-Reparatur
2625. DLX_forebrain & craniofacial dev
2624. hGH_Receptor (22,12-...56..)+++
2623. HPV 16 compl. Genome (5 Gene)
2618. HSPD1 heat shock 60kDa protein 1 (chaperonin)+DiaPep 277
2617. MSI1+2_Musashi_malignancy and proliferative activity in gliomas and melanomas+++
2615. Mycobacterium tuberculosis
2614. SFRS10_Htra2-beta(54-44,32,16)
2613. ATP8B1+ ABCB1_Low Gamma-GT Familial Intrahepatic Cholestasis
2611. CC2D1A+CRBN+PRSS12_autosomal recessiv non-syndromic mental retardation
2608. cmlc2-tel mut_Schlagkraft des Herzens (zebrafish)(13,31-11,05,25,62,37,11)
2607. IL1A_paradontitis (01-61,01,01)
2606. Reptin_lik-Liebeskummer-Gen_(44-54,33,05,36,01)
2607. ALDH7A1_Pyridoxine-Dependent Seizures(61,20-57,19,44,20,19,34)
2606. ANOP1_Lenz Microphthalmia Syndrome_noch
2605. APTX_Ataxia with Oculomotor Apraxia Type 1_(19,23-01,20,23,29,19,12)
2604. ATXN1_Spinocerebellar Ataxia Type15
2603. BCOR_Lenz Microphthalmia Syndrome (34,01-09,13,62,01,01,23)
2602. CD19 molecule(61,33-28,20,61,02,01,05)++
2601. CD24 Antigen_Y-linked_Krebsgen
2600. Common Variable Immune Deficiency Overview(CD19,Icos,TAC1,TNFRSF13B)
2596. CUL7_cullin 7_3-M syndrome (20,61)
2595. EAAT1 hs_SLC1A3_Neurotransmitter_ZI
2594. MAFH fumarate hydratase (44,56-1210,01,1944,12-12..56,33..33..33)++
2593. FOXC2_Lymphedema-Distichiasis Syndrome (01,13-01,01,01,44,01,28)
2592. G72 G30 Verfolgungswahn(NöthenPropping)
2591. GDAP1_Charcot-Marie-Tooth Neuropathy Type 4A (62-46,49,64)
2590. GLI3_GLI-Kruppel family member_Pallister-Hall Syndrome (01-61,01,09,14,01)
2589. GPR143_Ocular Albinism, X-Linked (19-34,02,15,01,08)
2588. HMG CoA reductase_Congenital Heart Disease++
2587. ICOS inducible T-cell co-stimulator (08,02-20,31,08,16,33)
2586. Lamin Receptoren-LBR_

2585. Matrilin-3_Osteoarthritis (02,61-35,20,60,33,,23,13-..66..61..61))
 2584. Nan+ Iav _dros_Ionenkanal_Tinnitus+++
 2583. NEFL_Charcot-Marie-Tooth Neuropathy Type 2E1F(01-10,01,01,43,01)
 2582. NompC_2 Organismen_Gleichgewicht, Tinnitus
 2580. P2RX7_Depression
 2579. PABPN1 Oculopharyngeal Muscular Dystrophy (62-20,13,20)
 2578. PAF_Penicillium chrysogenum antifungal protein_Pilzinfektionen
 2577. RGS9_Lichadaptation
 2576. SLC19A2_Thiamine-Responsive Megaloblastic Anemia Syndrome
 2575. TAC1 tachykinin(31-20,13,60,62)
2574. TNFRSF13B tumor necrosis factor rec (33-20,43,33)+++
 2573. ABCR_Stargardtsche Krankheit-Juvenile Macula-Degeneration (41-01,08,41-..33)
 2572. CASQ2_Cardiac arrhythmia_Tachycardia_monogenic disease (20-27,20,43,26)
 2571. COL4A5_Alport syndrome (3 iso)
 2568. DMD dystrophin (muscular dystrophy, Duchenne and Becker types) (3 iso)
 2565. EMD_Emyr-Dreifuss-Muskeldystrophie (34-14,61,07-..12..33..))
 2564. F5_Faktor 5-Mangel_Parahämophilie, Owren-Syndrom (01-01..14..31..-01,01,13)
 2563. GRN_Progranulin_FTD-frontotemporale Demenz+Krebs (2iso)(02,33(iso1 02)+++
 2561. HGD_Alkaptonurie_Homogentisinsäure-Oxidase-Mangel (32-56,61,02,62,23)
 2560. MTM1_myotubuläre Myopathie_(X-chromosomal) (55,19-50,44,19,30,04,19,10
 2559. MYF6- myogenic factor 6 (herculin) _DuchennescheBeckersche Muskeldystrophieer(32-12,43,19)
 2558. NEU1_NEURAMINIDASE 1_Acetylgalaktosaminidase-Defizienz_NAGA (24-42,0215,11,09)
 2557. NIPBL_Cornelia de Lange Syndrome (01-01,43,,28) (3 iso)
 2554. PABP2_Okulo-Pharyngeale Muskeldystrophie_OPMD (62-20,13,20-..33..)
 2553. RYR1_Makula Degenerationen, Maligne Hyperthermie_MH,MHS (33,09-62,44,13,09,42,34,10)
 2552. SGCA_Gliedergürtel-Muskeldystrophie_Adhalin-Defizienz, LGMD2D (23-20,62,12,62)
 2551. SLC26A2_Diastrophic dysplasia (61-61,156,33)+++
 2550. SLC26A6_Pendrin_Pendred syndrome (4 iso)
 2546. SMC1L1_Cornelia de Lange Syndrome (01-61,01,57,01,43)
 2545. SMN1_Spinale Muskelatrophie_SMA Typ1,II,III (33-20,33,01..33..33..)
 2544. SMN2_survival of motor neuron 2, centromeric SMA(33-20,33,01-) (4 iso)
 2540. XLRS1_Juvenile Retinoschisis-X-chromosomal , RS1(44,12-...56..) (+Mut)
 2538. AMACR_prostate cancer (08-...12,56,61..33) (2 iso)
 2536. CCND1_Myeloma_colorectal cancer (33-19,13,10-..33..)
 2535. ERG_erythroblastosis virus E26 oncogene (2iso)
 2533. ETV1 ets variant gene 1_mammary tumorigenesis (01,61-09,0910,01,29,33)
 2532. EZH2_prostata + bladder carcinoma (2 iso)
 2530. PBX1_Leukemia (01-61,61,34,01,33-..13..13..13..13)
 2529. PRO1073_Renal cancer (07,08-41,19,51,20,20,42)
 2528. TMPRSS22_transmembrane protease, serine 2_prostate cancer
 2527. WHSC1_Myeloma (13-60,01-...33-...33,33..) (3 iso)
 2524. APOH lipoprotein metabolism, coagulation (59-39,20,14,13)
 2523. ARSA_metachromatic leukodystrophy,MDL (20,12-62,20,28,23,21,57)
 2522. BPAG1-DST_Autoimmunity targets, Haut (3 iso)
 2519. BPAG2-COL17A1 (2 iso)
 2517. CDAN1_monogenic disease_Anemia (51-06,41,40,49,59)
 2518. COH1_Cohen syndrome (23-62,46,54,33,61) (2 iso)
 2516. ELK 1_cell death, mitoch. diseases_neurodegeneration+ schizophrenia
 2515. Ets-1_E26 avian leukemia oncogene_ fließende Genaktivität (2 iso)
 2513. FALZ fetal Alzheimer antigen (2 iso)
 2511. GNE glucosamine (UDP-N-acetyl)_monogenic disease_Muscular dystrophy (08,37)
 2510. MCOLN1_monogenic disease_ML4_developmental and mental retardation (61,19)
 2509. PDGF-D_rheumatische Arthritis (2 iso)
 2507. PrPc- PRNP-Prion Protein_Creuzfeldt-Jacob _update (2 iso)

2505. RyR2 i.V. m CASQ2_cardiac arrhythmia (63,33-55,11,31,20,33,61)
 2504. USH 3A_Usher syndrome_monogenic disease_Progressive deafness and blindness (19-05,08,02,01)
2503. WRKY53_Seneszenz (13-11,01,01,24)++++
 2502. APOH lipoprotein metabolism, coagulation (59-39,20,14,13)
 2501. HMOX heme oxygenase 1
 2500. LDLRAP1 low density lipoprotein receptor adaptor protein (13-53,01,61)
 2499. CheY_Escherichia coli Chemotaxis_Steuerungselemente (13-42,61,10,45)
 2498. ELMOD 2+ LOC152586_Idiopathic pulmonary fibrosis (IPF) (34-33,10,19)
 2496. GPR 83 Killerzellen zu Friedensstiftern (04-36,46,41,02,13)
 2495. OVATE_Tomate Birne-Kugel (01-33,13,13,55)
 2494. pmrA+D_Antibiotika-Resistenz (20-07,62)& (53-40,50,32)
 2492. PS 2_Photosystem 2 (7 proteine)
 2485. YAP + cIAP1_hepatocellular carcinoma- HCC(..33)(..-..33)
 2483. LTA+LTBR Lymphotoxin_tumor necrosis factor family_Krebsgen(59,35-..61..56..33)
 2481. C14orf156_SLIRP_Ausschalten von Genen beim Energiestoffwechse(39)l++++
 2480. RAE1 mm_Krebsgen(62-35,01,62,61-..12,61..33..)
 2479. ACAT2-Arteriosklerose (53-08,31,,10,59)
 2478. AFP_Schutz vor Kältetod-Fische (33-20,01,01)
 2477. AGL24_Formenvielfalt Blumen (01-01,59- 61..33,60..)
 2476. Bin 1b Beta Defensin-Spermienaktivität-Bakterienabwehr(20,27-07,20,13,53,02,41,19)
 2475. CAD hs_promote optimal cell growth (12-23,32,44)
 2474. CDKN2A_ARF_Tumorsuppressor 12,20-27,56....)
 2473. CDYL =TSYPL_plötzlicher Kindstod SIDS-SIDDT
 2472. CYP1A1_Osteoporose (49,34)
 2471. DLC 1 Brustkrebs (01-01..43-61.33..33..)
 2470. DMBT1_META-GEN (41)++++
 2469. DNase11 dros_Immunerkrankung (12-23,32,44-..12..56..)
 2468. DSX+FRU_doublesex+fruitless_Sexualtrieb bei männlichen Fruchtfliegen
 2466. Dynamin_Homosexualität Drosophila 09-34,60)
 2465. EAAT1 hs_SLC1A3__Neurotransmitter_ZI MA (61,08-10,20,43,02,08,60)
 2464. EBA 140 +GYPC_Malariaschutz
 2462. Eugenol_Geruch Basilikum (08-07,24,06,20,23)
 2461. FLAP_ALOX5AP_Risiko Herzinfarkt& Schlaganfall(32,23-54,34,19,20,19,56)+++
 2460. Frap1_mTOR rattus (01-30,33,01-..29,61..60)))+hs Dämpfung Hungergefühl
 2458. FRDA_Friedreichs Ataxia(44,54)
 2457. GAL4_Lichtschalter für Gene (43-61,14,60 -33..33..33)
 2456. Galektin-1_tötet Immunzellen gegen Krebs(33-..33..)
 2455. Gapdhs mm+hs_Verhütung ((01-33,61,61,28,41)
 2454. GAT-1 -2 iso_Schlüsselmechanismus Heroinentzug (27,05-42,62,12,01,60,60)
 2452. H60 hs+mm Krebsgene(33) i.V.m. Rae-1_Krebsgen
 2450. Häm-Oxygenase-1_Schutz vor Herzinfarkt hs+rat (01-01,43,33)
 2449. HDAC-9_Herzvergrößerung (5 iso)
 2448. HIF1+SDF-1_Botenstoffe Stammzellen (57-12,42,44)__ (33-20,13,33)
 2447. HLA_DQB1+DYB_Schlafwandeln(53-46,50,26)-56..56,13,41,61,06,36)
 2446. HMGB1_entzündungshemmende Stoffe a.th.+hs (01-13,01-11,..34,61..01)
 2428. HPV_18 Human Papillon Virus Stämme_McPV2+MNPV+Ha0PV von Prof Rösl, DKFZ
 2427. HQT_Stressschutz Pflanzen (23-19,16,56,01,60)
 2426. ID 4_Tumorsuppressor ((16,01)
 2425. KDR-VEGFR2-FLK-1_Hemmung Tumorwachstum 13,6160,01,01,43, 64-33..33...)
 2424. LIGHT=TNFSF14_Immunzellen Tumorzertsörung (02-24,19)
 2423. Mcm5_Speiseröhrenkrebs (01-01,58,01-34,34..33)
 2422. mps 1_Regeneration von Herzgewebe danio rerio+hs (61-43,24)
 2421. MSR 1 prostata-Krebs und Entzündungsreaktion_3 iso
 2418. MYH 16_Gehirnwachstum (01-01...)
 2417. Nef_HIV (44,61-59,01,61,09,62,13,31)

2416. NPC1L1 Regulation Cholesterin im Blut(09-34,60,34,23,55)
2415. NPS_wach und mutig(02-19,20,20-..29,20,23,20..33)++++
2414. p16INK4a+ARF_Altern-Tumorsuppressoren
2412. p53BP1_zellschäden_Apoptose
2411. Pet1 mm Angst-Aggressivität (09,01-..61,33,34,61..56)
2410. PHLLP_Tumorsuppressor
2409. Phytochrome A+++
2408. proNGF Apoptose-Stop
2407. Ptf1 Stammzellen werden Bauchspeicheldrüse
2406. SCD1_Fettleibigkeits-Schutz
2405. SHP-1_Diabetes 2 Therapie hs+mm (33,09-02....33..01)
2403. SLC22A4_OCTN_Morbus Crohn (19-13,02,02,33,02,35)
2402. Spi2A_immunologisches gedächtnis (44-56,01,34,28,59)
2401. takeout_Intensität Balzverhalten Drosophila Männchen
2400. TR4 mm_+hs_komplexe Störungen(61,33-01,20,33,20,09,33,149++++)
2398. TRIM-5_AIDS-Abwehr
2397. TROSPA_Borreliose(01-01,01,61)
2396. Trp-cage_Proteinfaltung++++
2395. Urokinase-Plasminogen-Aktivator (uPA)_Metastasen-Verhinderung (01-33,14,01,01,55)
2394. VRN 1+2_Weizenwachstum (a.th)
2392. ZBTB7A_POK_Pokemon-Gen_Krebs (49,01)
2391. ZFP 145_Stammzellgen-Spermienproduktion01-01,10-25,01,34,43,41,61,01_7x33)
2390. ADAM 17_tumor necrosis factor (43-25,01,11-..33.13..02,01)
2389. CATSPER 2,1,3,_Male Infertility monogenetic dis.-Sperm Ionen Kanäle
2386. Connexin 26_GJB2_Taubheit_erbliche Taubheit –Deafness
2385. DARC_Chemokine Rezeptor_Malariaschutz+Krebsrisiko (07_36,02,16,23)
2384. Histatin 1+3_TRP1p_Speichelproteine
2382. mTOR_Dämpfung Hungergefühl
2381. TRP1p_Membranprotein
2380. LAMAN_Alpha-Mannosidose
2379. RYK_Verbindung zwischen Gehirnhälften (20,01)
2378. HCV core protein_Hepatitis C+carcinom (58,02-34,12...)
2377. LAT-Herpes simplex
2376. NRG 1_schizophrenie (9 isoformen)
2367. EVI_hs_ecotropic viral integration site 1
2366. SHP-1_Diabetes 2 Therapie hs+mm (33,09-02....33..01)
2365. AP1- hs_JUN v-jun sarcoma virus 17 oncogene homolog (avian)
2364. DDX20_translation initiation, nuclear and mitochondrial splicing(53-20,60,09-..33,33..&
2363. SMN1_Spinale-Muskel Atrophie_SMA+++
2362. CLN8_epilepsie_progressive with mental retardation(02-02,24,02-24,02..07,07)+++
2361. CLN3_Batten, Spielmeyer-Vogt disease(02-20,19,02,61,20)
2360. CLN6_late infantile, variant(16-07,54,02)
2359. CLN5_ceroid-lipofuscinosis, neuronal 5 (02-40,08,20,01,27)
2358. CLN2_TPP1_Jansky-Bielschowsky disease_colorectal carcinoma progression(32,02-12,61,04,08,27,15,19)+++
2357. Kit(mm)_Erbgut-RNA_Dominant white spotting++++(13-55,09,34,01-...61,61,08,61,61..)
2356. cFLIP-CFLAR_Apoptose_Verhinderung
2355. TNFSF11_tumor necrosis factor-Rankl (14-34,49,39)
2354. CXCLigand12+CXCReceptor 4_Lockstoff Lunge Metastasenbildung-(20-...12..12..)
2352. HIPK2_Tumorsuppresso(..-09-..61..11..44..44-..33,56..33,33,33.)
2351. MDR_ABCB1 ATP-binding cassette, sub-family B (MDR-TAP) 11 Moleküle
2340. RPL 23 ribosomal prot. _aktiviert p53_Magenkrebs (33-02,61,33,61,50)
2339. Satb2_Entwicklungsgen Schädelknochen_Kommandozentrale f. Differenzierungswege(09.09.01-34,31,09..)
2338. Androgen Rezeptor_Mutation Glatze (Prof.Nöthen)
2337. HMGR_Katalyse Cholesterinproduktion (24,02)

2336. F10_Gerinnungsfaktor 10 (01,44-33...56..)
2335. F8_Faktor VIII_Gerinnungsfaktor Hemophilie X-linked(33 & 29,01- 33..12..)
2334. CFH_Factor H_Makuladegeneration (30)+++
2333. ARC_Apoptose Repressor Herzzellen 01-61,10,01,01...61,09..61,01,61..09)
2332. CNP_Schizophrenia(01-43,57,26,49,46)
2331. CREB_cAMP responsive element binding protein 1
2330. DTNBP1 dystrobrevin_schizophrenia, cognitive dysfunction (33-16,09,01,49)
2329. DBNDD1_Dysbindin-1 domain containing 1(33,10-15,01,61,44,12)
2328. DBNDD2_Dysbindin-2_domain containing 1(02-27,20)
2327. LRIG2_leucine-rich repeats a. immunoglobulin-like dom.2 (53-62,11,63,15)
2326. LRIG3 leucine-rich repeats and immunoglobulin-like dom.3
2325. LRIG 1 leucine-rich repeats_Tumorinhibitor ErbB (44-12,34...)
2324. NPPC-CNP_Schutz vor Hypertrophie(33-20,01,10,33)
2322. NPR-B_Schutz vor Hypertrophie (56-23,61,59,14)
2321. Oncomodulin_Wachstumsfaktor Nervenzellen (01--01,14,61,12--12..33..)
2320. PRSS 1_chronic pancreatitis (62-20,43,35)
2319. PRSS 2_protease, serine, Schutz v. chron. Pancreatitis & Mutat.(15-20,60,,23) +++++
2318. MGMT_Zellreparatur_Hirntumor-Therapie(61,33)
2317. Col4 A5+col 4A4+col4A3_Alport-Syndrom
2314. AR_update Mai_Prostata - Krebs_Kennedy disease (58-01,32,,60-33..12..33..33)
2313. GSTT1 Schlankheitsgen+ carcinogenesis. (27 Ernährung!-31,19,12)+++++
2312. CYP1A2_Leberferment, Coffein abbauend (56,34)
2311. PIN1_Alzheimer, cancer (43,14-....12)++++
2310. ATXN1-Ataxin1_autosomal dominant cerebellar ataxias (ADCA)(01-01,01.14-09,13,01..12,14)
2309. ATXN2 Ataxin2 (ADCA) (33-24,01,13,01,61)
2308. ATXN3_Machado-Joseph disease
2307. ATXN10_Ataxin_autosomal dominant cerebellar ataxias (ADCA)(42,20--33..)
2306. CRHR1_Alkoholkonsum (36 Zensur!)++++
2305. ATG_Membranerneuerung
2302. TYR-OCA1A_Albinismus +DHICA+DCT+HPS1-6
2298. Lamin A_Altern
2297. ESCO2_establishment of cohesion 1 homolog 2_Roberts syndrome (01,61)
2296. envelope protein [Human mammary tumor virus] (02-02,62,02,05,34)
2295. DTNBP1_Intelligenz, Schizophrenie
2294. DKN1A- SDI1_senescence _(60!,61)+++
2293. 12 Gene zum Fettstoffwechsel:
 En1_Engrailed 1
 Gpc4_Glypican 4
 HOX A5
 HOX C8
 HOXC9
 Hrmt1l2_Prmt1
 Nr2f1
 Sfrp2__secretes frizzled-rel seq. protein 2
 Shox2_Short stature homeobox 2
 Tbx15_T-box 15
 Thbd_Thrombomodulin
 Vdr_Vitamin D Receptor
2281. HPV human papillomavirus (4)
2277. Histamine (4)
2273. Insig2_Insulin induced gene 2_Fettstoffwechsel (24_Ventilator)
2272. Mitochondrial DNA_complete Genome
2271. Myobacterium tuberculosis_compl. Genome
2270. UBM+UBZ_Ubiquitin Signaltransduktion
2268. CD 25 (+Neuropillin/No.283)/wichtige Bremse für das Immunsystem

2267. DCD2_programmed cell death 2_
 2266. PEX7+PHYH_Refsum Disease
 2265. Proteinkinase G_Tuberkulose
 2264. Parafibromin_Zellkommunikation-Dickdarmkrebs
 2263. Pygopus_Zellkommunikation-Dickdarmkrebs
 2262. TH Tyrosin Hydroxylase_conversion of tyrosine to dopamine
 2261. PCP_Antibiotikum-Produktion (4 Org)
 2257. rs7566605_Adipositas
 2256. CROP cisplatin resistance-associated overexpressed protein(12).
 2255. DAF 2_Ste3_Altern (02,44)
 2254. Pheromone_VN1Rn vomeronasal rec. 1-5 & Ste2
 2248. ZAP70_marker in chronic lymphocytic leukemia
 2247. NOX-NADPH-GP91 oxidase 1_Immunschwäche septische Granulomatose (CGD)
 2246. WAS_Wiskott-Aldrich Syndrome Protein(01-61,33,01,01,33,33)+WASPIP+WASF1
 2243. ZNF 378-ZDHHC8_candidate gene for schizophrenia(33-16,34,10)+++
 2242. TACR 3_tachykinin receptor 3 (24,33)
 2241. MCP-1 Tuberkulose (33)
 2440. PAX6+OLIG2_Neurogenese_Nervenzellregeneration im Gehirn
 2338. Necdin_Prader-Willi-Syndrom(34)
 2337. SNRPN_Prader-Willi-Syndrom (MIM 182279)(54,23)
 2336. PWCR_Prader-Willi Syndrome_Fressucht (07-Masse)++++
 2335. AKR1D1_hepatic dysfunction(34-01,30..30)
 2334. Cortisol-Stresshormon ACTH, CRF, MC2r_Immundefunktion, psych.Befindlichkeit, Wachstumsregulation
 2331. CD28_der TGN1412-Unfall
 2330. HDLBP_high density lipoprotein binding protein (vigilin)
 2329. ABHD1_phylogenetic origins and catalytic functions(31-29,63..)
 2328. APOBEC3F_Antiretroviralfactor++
 2327. C15orf2_testis-specific expression(44-12..)+++
 2326. DGAT2L1_MOGAT1_Fatty acid synthesis+MOGAT2+DGAT (07-03,24,20,01)
 2323. CD81 antigen (target of antiproliferative antibody 1) (15,33)
 2322. MLF myeloid leukemia factor 1(33)
 2321. PBK_PDZ binding kinase -TOPK(34-5,30,62-..33,12..)
 2320. PPA1 pyrophosphptase (inorganic) 1(09-61,55,33-..62..33..)
 2319. PU.1_SPI1 spleen focus forming virus (SFFV) proviral integration oncogene
 2318. TAC1_tachykinin, precursor 1 NK1_
 2317. TACR1_tachykinin, receptor 1_SPR,NK1R
 2316. TAN-Ebony_histamin-offen
 2315. VIM_vimentin (33+strasse)
 2314. BCL6 zinc finger_Lymphoma 6 (33)
 2313. ZTGB 20 zinc finger and BTB domain containing 20
 2312. ZNFN1A1_Ikaros_T-cell-leukemia
 2311. ZNF 398-estrogen receptor interaction++
 2310. ZNF 271_Epstein Barr
 2309. ZNF 235 zinc finger protein 235 +++
 2308. ZNF 198_FIM_Stem-cell leukemia
 2307. ZNF 146_OZF_exocrine pancreas tumor
 2306. ZNF224 zinc finger protein 224 +++
 2305. ZFHX1B_Mowat-Wilson Syndrome
 2304. ZBTB16_promyelocytic leukemia
 2303. SET8 domain containing (lysine methyltransferase) 8 (01-44,01,43, 01)
 2302. SET7_SET domain containing (lysine methyltransferase) 7 (50)
 2301. SET3_histone deacetylase complex_meiosis-specifi.repr.(01-10,33)
 2300. SET2_RNASET2_human malignancies and chromosomal rearrangement (01-33,..)
 2299. HepG2_glucose transporter(13,59)
 2298. MAL2_T-cell diff +TPD52 (19,20)

2297. SCARB1 scavenger receptor class B_cholesterol metabolism(31,15)
2296. SOCS3_ negative regul. of fetal liver hematopoiesis and placental development. (01,13)
2295. TGFA_transforming growth factor, alpha (62)
2294. TNP2 transition prot.2 +Mirn 122A2 (01-01...)
2293. AMD_Faktor CFH +TCEB3_altersbedingte Makuladegeneration
2291. GSH Metabolismus Gcl + Gc (05,20-33...)
2289. SEPT5_fusion prot. with MLL in leukemia (01-...33,44)(01-33,44..)
2288. Staufen1+2_double-stranded RNA (dsRNA)
2286. GSN_gelsolin_ amyloidosis_(14-33,01,41)
2285. INSULIN neu_hs+mm_+APS+IRS1+IRS2+PDPK1+PIK3R5
2280. TPD52 tumor protein D52_3 isos_(01-43,01,13,33,34)
2279. TPD52L1 tumor protein D52-like 1_4 isos_(13)
2278. TPD52L2 tumor protein D52-like 2_5 isos_(33,20)
2277. WRN_Werner syndrome(34,59)+SGS1(43,01)
2276. SGS1_regul.chromosome synapsis+meiotic crossing over(43,01-01,09,55,33,01))
2275. RUNX1T1 (runt-related transcription factor 1) oncoprotein
2274. MELAS_Syndrom Mutation-A3243G
2273. Kremen1_Auge+Nase_ kringle containing transmembrane protein(34,62)
2272. CALM_myeloid leukemia
2271. APS1-AIRE_Autoimmune polyglandular syndrome
2270. Ghrelin_GHRL Hungerhormon hn+mm+rn (..56,56+33+33+)
2267. JUN_B_proto-onocogen + CCTAA.. (61-34,20..)
2266. SRF_cell proliferation and differentiation_Gehirn-Manager
2265. TF transferrin_iron transport(20,01)
2264. LYAR_hypothetical protein (01-61,01,43,01-33...)
2263. MAFG_v-maf musculoaponeurotic fibrosarcoma oncogene(10,01-10,12,10,14,01,44)
2262. HIP1_huntingtin interacting protein 1 (01-09,01,01,61)
2261. KRT16,17,6A,6B_Pachyonychia congenita _u.a.hypertrophic nail dystrophy (33+12)
2257. FCMD-Fukutin_Fukuyama type congenital muscular dystrophy (31,33)
2256. CACNA1C_Timothy syndrome (44-54,43,44-...33..12..)
2255. COX6C cytochrome c oxidase mitochondria (04,20)
2254. HMGA2_Uterine leiomyomas -cancer
- Cancer Prone Diseases:
2253. ELL ((eleven nineteen lysin rich leukemia gene)_elongation factor RNA polymerase II (01-13,13,01,01)
2252. EEN (extra eleven nineteen leukemia fusion gene)_SH3GL1_(01,44,57,01,01)
2251. CNC1_PRKAR1A_Carney complex (CNC) tumor-gene (01-10,34,37,16)
2250. CREBBP_Rubinstein-Taybi syndrome (01-..01..-33...)
2249. BTK_Bruton's agammaglobulinemia _cancer prone_(26,34-...33..56)
2248. EDN3_melanocytes and enteric neurons_WS + Hirschsprung (20,34)
2247. EDNRB endothelin receptor WS + Hirschsprung (54-33,41,02,61,02)
2246. ERCC8_Cockayne syndrome-cancer prone (53)
2245. GPC3_Simpson-Golabi-Behmel Syndrome (43,44-33....12)
2244. HRPT2_CDC73_Hyperparathyroidism-Jaw Tumor syndrome
2243. JAG1 Alagille syndrome (20-20,20,..20- 20..20...20)
2242. MET_Hereditary papillary renal cell carcinom _Von Hippe-Lindau+ Lynch syndrome (37-)
2241. MITF_WS + Tietz syndrome _ (01-01,34,01,34,34)
2240. NBS 1_Nijmegen break.syndr._growth retardation, immunodeficiency.,cancer predisposition(01- 33,33,33,01)+++++
2239. PTCH-update_Naevoid basal cell carcinoma syndrome (NBCCS)_Gorlin syndrome (56,41)
2238. RECQL4_Rothmund-Thomson syndrome (RTS) (55-55,34,23,56,33)
2237. RPS 19_Diamond-Blackfan anemia(DBA) (46-59,48,19,14,57)
2236. SDHD_Hereditary Paraganglioma (PGL)-tumor (14-13,43,41)
2235. SLUG_snail homolog 2 _ WS + Hirschsprung (49-11,44,42-..56..33..)
2234. SMARCB1_Rhabdoid predisposition syndrome (01-37,01,14,01)
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2233. XPA,-B,-C,-D,-E,-F,-G,-V _Xeroderma pigmentosum
2225. NSD1_Cerebral gigantism_Sotos syndrome
2224. FXN + YFH1 mitochondrial iron accumulation,Friedreich ataxia
2223. PGIC_glucose-6-phosphate isomerase
2222. OspA_Borreliose-bekämpfung
2221. MSH-alpha + beta Appetithemmung (01-33,01,01)
2219. MAPK14=p38_Tumorsuppressor
2218. WRN_Werner disease (34,59)+SGS1(43,01)
2216. EVC_Ellis van Creveld syndrome (49-31,61,06,01)
2215. POLRMT polymerase (RNA) mitochondrial DNA directed_ (55-06,44,51,11,33)
2214. POLG_progressive external ophthalmoplegia with mitochondrial DNA deletions,(13)
2213. PEO progressive external ophthalmoplegia 1 (32,56-56...)
2212. ECGF1_endothelial cell growth factor 1 (61)
2211. SBDS_Shwachman-Diamond Syndrome (SDS)
2210. PTPN11_LEOPARD syndrome (49,34)
2209. AFF1_promoting stimuli in myeloidlymphoid leukemia
2208. AFF2_fragile X mental retardation 2-FRAXE
2207. AFF3_transcriptional activator _ proto-oncogene
2206. AFF4_MCEF- transcription factors involved in acute lymphoblastic leukemia
2205. sgk-1C.elegans+SGK1,2,3 HS-1_Schlüsselgen Zellerterung (19)(15_38) (20_34)
2201. TRC8-RNF139_translocation in renal carcinoma (23,02-..33..)
2200. TCTA_T-cell leukemia translocation-associated gene (02-02,07,08,33)
2199. PAX7_fetal development and cancer growth(09,01)
2198. DDR1_regulation of cell growth, differentiation and metabolism (08-02,20,42)
2197. PTS_Phenylketonuria due to PTS deficiency
2196. ABCG5-Sterolin1 (07-54,40) + ABCG8-Sterolin2 (11-01,55)
2194. FANCC, FANCG,FANCD2,FABCE, FANCF_Fanconi anaemia (12 0der 33)
2189. HCC thyroid carcinoma, Hurthle cell i.V.m. TCFL
2188. Orexin-HCRT,-R1,-R2__bind to orphan G-protein_Schlaf u.a
2187. TCF7L2_Diabetes-Risiko
2186. Protein_Kinasen neu (19 Moleküle)
 CDK2A, CDK4D1, CHK2, FAK=PTK2, IKK beta, MAP2K1= MEK1, MAP2K6 =MKK6,
 MAPK11= SAPK2 , MAPK1=ERK2, MAPK3 =ERK1, MAPK8 = SAPK1 mitogen-activated
 protein kinase 8, MAPK9=JNK2 , MET proto-oncogene (hepatocyte gfr), MET proto-
 oncogene (hepatocyte gfr), PKB_PTK2B protein tyrosine kinase 2 beta, SYK_spleen
 tyrosine kinase , TIE2+1, TK1_thymidine kinase , VEGF-R
2167. SLC12A6_HMSN-ACC_Hereditary neuropathy
2166. ANGPT1+2_Angiopoietin 1 + 2
2164. CD 40 antigen_TNF rezeptor_Neuropenie
2163. TCF3_E2A_DNA looping structure
2162. DYX1C1_dyslexia susceptibility 1_developmental dyslexia (DD)
2161. KIAA0319_developmental dyslexia (DD) (13)
2160. THEM2_thioesterase superfamily member_developmental dyslexia (DD) (10-01,12..)
2159. TTRAP_developmental dyslexia (DD)_(13)
2158. VMP vesicular membrane protein p24_developmental dyslexia (DD)_(15,20)
2157. LIS1_Wanderung v.Nervenzellen+ Miller-Dieker lissencephaly syndrome (+DCX)
2156. Defensine (35 Mol)
2121. DSG1desmoglein1_pemphigus foliaceus.(01-61,61,01,61)
2120. DSG2_colon carcinoma (01-01,01,61,49)(n-2=4x33)
2119. LAMP2_Membran Glycoprotein Familie_role in tumor cell metastasis (61-33,..)++
2118. PRKAG2_tödliche Herzerkrankung
2117. AFF4_involved in acute lymphoblastic leukemia
2116. BLM_Bloom syndrome
2115. DEK oncogene (n-2_33..56)
2114. DIRC1,2,_disrupted in renal carcinoma 1
2112. DKC1_dyskeratosis congenita 1, dyskerin

2111. EXT1, 2_exostosin 1,2(61-33,19,01)
 2109. MLLT11_myeloidlymphoid leukemia(33_18,44,58)
 2108. MST1R_macrophage stimulating 1 receptor(23,11-..56..)
 2107. STK11_Peutz-Jeghers syndrome (21)
 2106. Stn 7+8_Photosynthese II--(19.33)
 2104. HAP 1_huntingtin-associated protein 1
 2103. HD_Huntingtin Disease
 2102. NEUROD1_neurogenic differentiation 1_(14-01,12,33) vgl APP
 2101. Wuschel-Gen Pflanzenwachstum + ARR7,-5
 2100. Telethonin_Titin-cap (32,41)
 2099. p11-_tumor marker(01-33..)
 2098. ATF4_Krebskorrelation_(31-16,33,31,01)
 2097. SMAD2 (61-33...)
 2096. TGIF-TGFB-induced factor_transmission of nuclear signals(56)u.a. (4 Isos)
 2092. TK1_marker non-small cell lung cancer (n-3=4 stop)
 2091. TF-transferrin_iron transport
 2090. TDF_A_Testis-determining factor
 2089. TDF_tumor differentiation facTDF_endocrine metabolism
 2088. Spectrin-alpha-SPTA1_erythrocytic1_genomic orientation
 2087. Spectrin-beta-SPTB_erythrocytic_Skelett-Protein
 2086. CFTR_Cystische Fibrose (33,61)
 2085. TXNDC9_APACD_thioredoxin domain containing 9 (33,43-..33....)
 2084. SAT_spermidinespermine N1-acetyltransferase
 2083. PIP2_Dufthemmer
 2082. IMMT_mitochondrial inner membrane protein (13)
 2081. CSMD1_neur. Signalübertragung (44)
 2080. CPE-peripheral membrane protein_pulmonary neuroendocrine tumors (57-56..)+++
 2079. CXCR3_leukocyte traffic_Kettenmann (15-62,42,62,02)
 2078. CCL21_Immunreaktion_Kettenmann(33-..33-..33)
 2077. ACTN2_muscle-specific iso of skeletal and cardiac muscles
 2076 C1orf6_chromosome 1 open reading frame 6_UBQLN4_ubiquilin 4
 -75 C1orf42_(07-12.19.62)_chromosome 1 open reading frame 42
 -74 C2orf17_chromosome 2 open reading frame 17
 -73 C2orf18_chromosome 2 open reading frame 18
 -72 C7orf20_chromosome 7 open reading frame 20
 -71 C7orf36_chromosome 7 open reading frame 36
 -70 C14orf1_chromosome 14 open reading frame 1
 -69 C14orf139_chromosome 14 open reading frame 139
 -68 C14orf170_YLP motif containing 1
 -67. C20orf97_TRIB3_tribbles homolog 3
 2066. AGR2_anterior gradient 2_prostata cancer marker (13,41)
 2065. AKR1C3_Asthma +Tumor Kopf, Nacken, Atmung (32-12..33)
 2064. ASS_citrullinemia (20)
 2063. CRMP1_Wnt pathway+Lungenkrebs et al_supp.gene (01-34,33)
 2062. CUTL 1-CCAAT_gene express., morphogen., +tumor progress++
 2061. NUDT3_homeostatic checkpoints_Wächter_Promotoren AT ><CG {color}
 2060. RPL8_ribosomal protein (33 =unknown)
 2059. RPLP1_ribosomal (phospho)protein (40- 12)
 2058. RPL 12_ribosomal protein (+TUBA)
 2057. TUBA_DNMBP-dynamin binding prot (33)++++
 2056. WWOX_Oncogen= FS FRA16D-Tumor supp-(7 isoformen)
 2055. TANK_tumor necrosis factor
 2054. Fragile-sites_FRA3B,6B,16D
 2051. GNAT1_guanine nucleotide binding protein (01-63,01.61,44)
 2050. HRPT2_jaw-tumor-syndrom
 2049. Schlafmütze-SMZ+Schnarchzapfen-SNZ- i.V.m. +AP2 Pflanzenblüte_miR172_neu

- 2048. MKKS_ McKusick-Kaufman syndrome
- 2042. TCP1,2,3,4,20_ transcription factor i.V.m HRPT2 (33)
- 2039. WT1_Wilms Tumor 1 (4 isoformen) (no blue)
- 2035. PTCH_tumor suppressor +SHH (56,41-..12,33..)
- 2033. CHEK2/CHK2_putative tumor suppressor
- 2032. CDK4_Phosphoryl.of Retinoblastoma +WT+ CDKN2A
- 2031. ATGL_i.V.m Brummer-Gen_Fettleibigkeit-Adipositas + Lsd2-Perilipin
- 2029. HER2=ERBB2_Brustkrebsbekämpfung (Herceptin)_Immunsystem (i.V.m. IL2+12)
- 2028. Core-Prot. Hepatitis C Virus (i.V.m.PML-4) (47)_Hobom
- 2027. AID_Beitrag Krebsentwicklung++
- 2026. OTT-Acute megakaryoblastic leukemia + MAL-M7 acute non lymphocytic leukemia
- 2024. MKL1_megakaryoblastic leukemia(+OTT) (01-01-..33..33)++
- 2023. USP6 Ubiquitin spec. protease + CDH11_osteoblast (2 Moleküle)
- 2021. CAGE_cancer antigen 1
- 2020. Cyclin B1_CCNB1oncogen++
- 2019. PIM1_high- prostatic intraepithelial grade neoplasia_ oncogene
- 2018. PRL-Receptor(42-33)
- 2017. VPS 54mut_ALS hn_rn-mm+ -mut L967Q
- 2015. SHOX_short staturehomeobox
- 2014. SBP2_Schilddrüsenhormonstörung
- 2013. Reelin_Autismus
- 2012. PnSCR_A.Th._pfl.Wachstum-Achsrotation..winden.. (20-19_TTA-ATT)+++++
- 2011. PML_Promyelozytenleukämie (61,33,34_m-c-y)+++++
- 2010. DYT3_Dystonia 3 mit Parkinson
- 2009. AFP_Gehirnentwicklung Mann-Frau_Östrogen-Abfänger
- 2008. UBR1_Johanson-Blizzard Syndrom
- 2007. E2A+Id2+ABF1_Hodgkin lymphoma_ Bcell Entwicklung
- 2004. CRP-Protein_Herzinfarkt_Arteriosklerose+++
- 2003. TRPV6-CAT1 Calcium-permeable channels_neurotransmission, muscle contraction
- 2002. KRAS 2_Kirsten rat sarcoma viral oncogene(12)+++
- 2001. MEFV-Mediterranean fever

2000. SOD2_u.a Krebsgen (33-..12..)+++

- 1999. EWSR1_Ewing sarcoma breakpoint region 1
- 1998. FANCA_Fanconi anemia_u.a.familial pancreatic cancer(12 iso 1)++
- 1997. HPRT1_Lesch-Nyhan syndrome
- 1996. ICAM1_intercellular adhesion molecule 1 (CD54)
- 1995. KRAS 2_Kirsten rat sarcoma viral oncogene(12)+++
- 1994. TSC1_tuber sclerosis 1
- 1993. TSC2_tuberous sclerosis 2
- 1992. ATM-ataxia telangiectasia_cerebellar degeneration+predisposition to cancer(33)+++
- 1991- SLC24A5_helle Hautfarbe++++
- 1990. AHR_Dioxin_Receptor(13)
- 1989. COX2= cyclooxygenase PTGS2_Krebsmarker
- 1988. FRA16D-WWOX_Oncogen
- 1987. FHIT-FRA3B_Tumorsuppressor
- 1986. NBEA_Oncogen (33)++++
- 1985. PTEN + PI3K+ PIK3CA Endometrial Carcinoma
- 1982. PKD1+ PKD2_kidney-disease
- 1980. FOXO4_mixed-lineage leukemia((01-12)++)
- 1979. KCNQ1_LQT 1_Long QT syndrome_Vorhofflimmern(33-19,33-19,..33.)
- 1978. GIT1_Huntingtin
- 1977. CHFR_Krebsgen i.Z.m. PML
- 1976. PML- p53 Aktivator (01-61,33,34 Weiß)++
- 1975. Core Prot Onkogene HS & HBV+++

1973. MCT-1 oncogen
 1972. SLC6A2_Noradrenalin_neurotransmitter (41,07)
 1971. POMC_beta-Endorphin Neurotransmitter_ Cortisol-Enzym (01-33,01..)
 1970. GRIA 3+4, GRINA, Grik 5_Glutamat Rezeptoren
 1966. CHFR_Krebsgen i.Z.m. PML
 1965. BDNF+ (44-12..) brain-derived neurotrophic factor, Alzheimer+Huntingtin
 1964. ALAS1_Häm-Synthese
 1963. MC4R_Melanocortin 4 (19-61..)
 1962. LASP-1_Brustkrebs
 1961. Synapsin II_Epilepsie
 1960. KCNQ 2 (33) +KCNQ 3 (33)_Epilepsie
 1958. KCNK1_Ionenkanal_Epilepsie(01-08,02,02,33)
 1957. RHD Rhesus blood group, D antigen
 1956. Geruch_Olfactory_OR17-40 + 17-4_Meeresbrise+Maiglöckchen
 1954. H5N1,H7N3,H1N1, H2N2-PA,H3N2-PB1+2_Vogelgrippe_Pandemie (7 Mol)
 1947. USP26 ubiqu.spec. PEPTIDASE_Männliche Fruchtbarkeit(33)
 1946. EDS1,SAG101,PAD4, PEN 2_Resistenz+Senescence A.Th
 1942. CRK_v-crk sarcoma virus CT10 oncogene
 1941. CDKN2B+++_CDKN1A_Tumorsuppressor
 1939. CagA_Heliobacter pylori_Magengeschwür (6Mol)
 1933. alpha-Defensin_Anthrax-Bekämpfung
 1932. PGRC1_progesterone receptor membrane component 1
 1931. EAF2_testosterone reg. apopt. ind. & tumor supp
 1930. HLA-Klasse MHC-human (22 Moleküle)
 1908. mamJ_Magnetsensor Protein (18-Li_Kan)+++
 1907. microRNA 156_Grüne Giganten
 1906. PTPN22_type 1 diabetes and rheumatoid arthritis
 1905. Cholesterin CETP+_LDLR,HDLCQ, HDLC2,HDLBP
 1900. DGUOK_deoxyguanisine kinase_mtDNA
 1899. TLR 7_Immunsystem-Paradoxie(61-..61..)
 1898. HFE-Gen_Hemochromatose8(33) +Leber- +Darmkrebs+++
 1897. Mitochondrien DNA_Saccharomyces cerevisiae_(32 Mol)
 1865. mtDNA_Mitochondrion-DNA_homo sapiens (16 Mol)
 1849. Stathmin_Angstgen+Onkoprotein (33,01)++++
 1848. Rxo1_Zelltod Streifenkrankheit Reis
 1847. NF-kB1_nuclear factor...enhacer_Immunaabwehr
 1846. KIAA0319_Legasthenie
 1845. G72+G30_Verfolgungswahn
 1843. Elastin+LIM (massig 02+33)_WBS-Williams Sndrom
 1841. CILP_Bandscheibenknorpel+TGF-beta (beide 13)
 1839. C5_Leberzirrhose_Uni Bonn (10,12_33..)++
 1838. Stn 7+8_Photosynthese II--noch
 1837. MIG6_Mitogenese-induziernes Gen
 1836. MEGAP_Mental disorder associated GAP protein
 1835. TUA4+TUA6_Chiralität Arabidopsis
 1834. HOTHEAD protein precursor
 1833. Fetuin A mm_Verkalkung (28)
 1832. DNA Ligase IV- repair gene
 1831. Diabetes mellitus_TNDM_PLAGL1-ZAC +HYMAI
 1829. DAM1_BCAS2 breast carcinoma (44-56,01,..33)+++++
 1828. Cytochrome_c_oxidase_COX8A
 1827. CXCR4_Korezeptor HIV
 1826. CTLA 4_T-Zell-Antigen_Apoptose
 1825. COMT_Dopamin-Regulation_Schizophrenie
 1824. Suv39h1_Enzym Krebsverhinderung_SENESZENZ_
 1823. hairless_haarwuchs

1822. ESP1_Chromatid-Teilung Mitose
1821. DCX Wanderung v.Nervenzellen+Lissencephalie (+LIS1)
1820. DCDC2_Leseschwäche
1819. CDX2 Krebsmarker_ hs & mm++++
1817. ASPM+MCPH1_Evolution Großhirn_Technik,Kunst++++++
1815. Synuclein + CPS alpha_Auslöser Parkinson
1813. SLP-65-Tumorsuppressor
1812. MSP-3 Malariaerreger-Protein
1811. Malaria EBA 175 + PfrRh4
1809. IRF4_regulator B-zell-Differenzierung_Stammzellen-Regulator
1808. CD 133 ANTIGEN_Prominin_Oberflächenprot. Hirnstammzellen (20-19,02,61,11,20)
1807. Bmi_Stammzellen-Regulator+Onkogen++++
1806. DAM1_BCAS2 breast carcinoma (44-56,01,..33)+++++
1805. ADRB2 adrenergic, beta-2-, receptor, Beta Blocker Kontraprod.
1804. C-MYC_oncogen++++
1803. CTLA 4 T-Zell-Antigen_ApoptoseCytochrome_c_oxidase_COX8A
1802. LIG4_DNA Ligase IV- repair gene
1801. MEGAP_Mental disorder associated GAP protein
1800. MIRN 17_mir-17-92 cluster_microRNA(ca.210 Peptide)
1591. MRP2_multi-drug resistance protein 2
1590. PER 2_Schlaf-Wach-Rhythmus_Alkoholsucht
1589. RPL 28 ribosomal protein L28_colorectal cancers (33)+++++
1588. PSA_prostataspez. Antigen_ProstataKrebs & Fettleibigkeit
1587. Fhl2-Osteoporose
1586. LIM-Muscle Prot_CSRP3_HCM vererbare Herzkrankheit
1585. asFP595-fluoreszierendes, schaltbares Protein
1584. ANTIGEN-Families; GAGE, PAGE, XAGE (15 Mol)
1569. ATP1A2 ATPase_Migräne-Gen,_Prof.Kubisch, Uni Köln
1568. CD8A+B_-Cancer antigen+++
1566. Chaperon(in)e_GroEL,GroES,CCT2 hn hom. HSPA, et a_,Proteinfaltung++++
1558. FBN 1_Fibrillin_extracellular microfibrils_Marfan syndrome++++
1557. Melanine_(Neuro-) MCHR1+MCH
1556. PD-L1_Programmed Death-Ligand 1+PD-1-Rezeptor_Hemmung von T Zellen++++
1555. PAH_Phenylalanine Hydrox.Deficiency-update 050914
1554. LCT-Lactose_Hypolactasia- Lactose Intolerance
1553. FLII_flightless I homolog (Dros.)_antiapoptotic +tumorigenic activities
1552. MEN1-Syndrom_multiple endocrine neoplasia _Oncogen+++
1551. WD40 repeat protein_Regulationsprot_z.B.protein-protein interactions
1550. NCL_neurodegenerative, lysosomal-storage disorders _PPT1, CLN2, CLN3, CLN5, CLN6,
1543. CLN81543. MEN1-Syndrom_multiple endocrine neoplasia _Oncogen+++
1542. F8_Hemophilia update = alt (33.stop)
1541. Hodgkin_Lymphgewebe-Krebs_NF-B,AP-1, Stat5a
1540. Morbus Crohn_CARD 15=NOD2 + DLG 5
1538. Methylmalonic Acidemia_MMAA, MMAB, MUT u.a.hypotonia, and encephalopathy ++++
1535. CDKN1+H19_BWS_Beckwith-Wiedemann syndorome (33.n-1)+++
1533. CLCN1_myotonia congenita _muscle stiffness
1532. FGA, FGB, FGG_Afibrinogenemia congenital
1529. MCPH1+ASPM_Evolution Großhirn_Technik,Kunst++++++
1527. CALCA,-B_CALCRL _Migräne-Recherche
1524. MUC 16_125 ovarian cancer antigen+++++
1523. PAH_Phenylalanine Hydrox.Deficiency-update 050914
1522. POR Deficiency_Cytochrome P450 Oxidoreductase Def
1521. ROR2_skeletal malformation, growth retardation (56Stop.n+ n-1)
1520. TFR2=HFE3_Related Hereditary Hemochromatosis_Eisenstatus
1519. A2M_alpha-2-macroglobulin precursor_Alzheimer

1518. CASP 6_caspase _ apoptosis-related cysteine peptidase
1517. Calmodulin-Gehirnreaktionszeit_hn+mm_control (mm+ hs)
1515. DSCAM_immunglobulin_alt. SpleissenHang_hangover_Kater
1514. HLA-G_histocompatibility antigen+ Multiple Sklerose
1513. LSD1=AOF2 De-Methylierung_Prostata-Krebs NEU
1512. LSD=DNASE 1L3__deoxyribonuclease_DNA-Abbau
1511. Megalin receptor_Cholesterinstoffwechsel
1510. nanog+ Oct-4 embryonale Stammzellen (2 Mol)
1508. PDI4_Demethylierung
1507. Q-Beta-Prot_Antibiotikum
1506. SHBG_sex hormon binding globulin
1505. sortLa_Alzheimer
1504. FKBP 5_Wirkung Antidepressiva: update
1503. Osteocalcin_Knochenbildung
1502. RIP 140_transcriptional activity of the estrogen receptor
1501. SET1_Dam1_IP11
1500. Malaria EBA-175 + Pfrh4
1498. B RIP1_Krebs-Risiko (+BRCA1)_Fanconi-Anämie
1497. CGRP/CALCA+CRLR_Calcitonin rezeptor_Migräne ++++(Kubisch)
1495. HRMT1L2 = HMT1 hnRNP methyltransferase
1494. Nachtblindheit : GNAT1, PDE6B, RDH5, RHOK-GRK1, RPGR + CACNA1F, RHO
1489. GCN2_Schalterprotein Kurzzeit-,Langzeitgedächtnis hn, mm+dros ++++
1486. FMR1_Fragile X mentale retardation
1485. FLJ12584 (hypothetical protein ARM) melanomamelanocyte spec.prot
1484. ARM + LTM_Gedächtnis (5 isoformen)
1479. PAX3 paired box gene 3 _Waardenburg syndrome (7 Mol)
1472. Progerin Protein/ Lamin-A/_Progerie_Syndrom_
1471. DICER_Enzym microRNA_stem cell differentiation +++
1470. FMR1_Fragile X mentale retardation
1469. Hemophilia A_F8 _coagulations factor 8 (33)+++++
1468. PAH_PKU-Phenylketonuria_ mental retardation, organ damage
1467. Arrestin_Signal-Termination olffakt. Signaltransduktion+lichtinduz. Signalkaskade (4Mol)
1463. Crystalline_Augenproteine (16 Mol)
1447. HCV_Hepatitis C Virus_compl.genome + 6a
1445. HIV-1_compl. Genome(caa..ata..aga.aca,aac)
1444. HSP 90-heat shock 90kDa prot._ p53 wt transskriptions aktivty
1443. Suv39h1_Enzym Krebsverhinderung_Seneszenz_
1442. PAX3 paired box gene 3 _Waardenburg syndrome (5Mol)
1437. Hemophilia A_F8-coagulations factor 8
1436. Hangover_Stressbewältigung, Kater
1435. HIF1a_Regulation v.Tumorzelltod und Chemoresistenz (57-12,...)+++++
1434. HMPV_Virus Atemwegsinfekt (compl genome + 8 Gene)
1425.
1424. Pontin (01-61,Caa13,Taa33,Gaa44)//& Myc+++++
1423. Tuberous sclerosis TSC1(33)+2_cancer+++++
1420. BRAF2_sim to v-raf murine sarcoma viral oncogene homolog B1 pseudogene+++++
1419. EDN-RNASE2 (33-01)+ECP-RNASE3 (56)
1417. Opsin-Fischer-Mut. S180A+++++
1416. RAF murine leukemia+sarcoma viral oncogenes(4 Mol)
1412. SER3+SRG1_Transskriptionsblockade ++++
1410. ACTINE_Zellskelett_Beweglichkeit und Erhaltung (6 Mol.)
1404. Ear2_Embryogenese+!+!+!
1403. HPV-Hum Papilloavirus_Gebärmutterkrebs
1402. HHV_Human herpes virus 2 und 5 ++
1400. HIV-Therapie_GAG+CAIOsteocalcin_Phylogenese
1398. Oxyntomodulin_Glucagon+Receptor_Sättigungshormon++

1396. Prohibitin_Ras-& Tumor-Bremse++++++
1395. Rho & Rac-GTPasen_Zusammensetzung Zytoskelett
1393. SSRIs+Tph1+2
1392. TAS1R1,-2-3_Geschmacks-Rezeptoren süß,++s-w++
1389. TGFB2 +TGIF2 _tumor growth factor
1387. TNF Tumor necrosis factor 2
1386. YY-Peptid HS_Colon Cancer e.a._proliferation,growth+++++
1385. Grk7_Dunkeladaptation_Sehzapfen
1384. RGS9BP_RGS9-anchor-protein_Lichtadaptation
1383. Osteocalcin_Phylogenese
1382. OP9 + eIF3+Nicalin+Nomo_memorec research
1379. Serotonin neurotransmitter_SLC6A4=_5-HTT Depression
1378. RBP4_Insulin Resistenz+ENPP1Ins.res.Gehirn
1377. SER3+SRG1_Transkriptionsblockade +++++
1375. TAS2Rx_Geschmacks-Rezeptoren (19 mol)
1374. TAS2R38_Geschmackssinn Bittergene A-,B-
1373. TAS1R1,-2-3_Geschmacks-Rezeptoren süß,++s-w++
- 1372., Opsin -"Fischer-Mutation": S180A
1371. SARS_complete genome
1370. SARS_X4
1369. sars_seryl-tRNA synthetase
1368. Oxyntomodulin_Glucagon+Receptor_Sättigungshormon++
1366. ATGL-hn_Fettleibigkeit(Adipositas)
1365. BRUMMER-Gen_Blutfett_Adipositas+Lsd-2 Perilipin+ATGL-Gen
1364. SCGB2A1_secretoglobin, family_Pancreas
1363. BCL2L1_BCL2-like1
1362. AAV2_adenovirus_Krebszellen-Vernichtung
1361. EDN-RNASE2 (33-01)+ECP-RNASE3 (56)
1359. BRAF2_++++_sim to v-raf murine sarcoma viral oncogene homolog B1 pseudogene
1358. RAF murine leukemia+sarcoma viral oncogenes (4+BRAF2 Mol)
1354. YY-Peptid HS_Colon Cancer e.a._proliferation,growth+++++
1353. TNFSF10_tumor necrosis factor (lig.)_TRAIL_Apo2 lig+++++
1352. TNF alpha-related apoptosis-inducing ligand
1351. TGFB2 +TGIF2 _tumor growth factor
1349. FOXO3A_forkhead box_rhabdomyosarcoma
1348. Prohibitin_Ras-& Tumor-Bremse++++++
1347. MCL1_myeloid cell leukemia sequence (BCL2 related)
1346. LPAAT-beta_AGPAT2_Krebsmarker
1345. HPV-Hum Papilloavirus_Gebärmutterkrebs
1344. gp40_env. al.PDPN_neu
1343. Elastase1,2,2A,3A,3B_neu
1338. beta-Glucanasen_8 Organismen
1330. vpr Vpr_Human immundeficiency virus 1
1329. VpU_HIV-Aids
1328. HIV-Therapie_GAG+CAI
1326. HHV_Human herpes virus 2 und 5 ++
1324. GP 120_HIV_neu + 3 Organismen +++ (5Mol)
1319. Ear2_Embryogenese+!+!+!
1318. CRP-Protein_Herzinfarkt_Arteriosklerose+++
1317. CPT1_Fettmoleküle-Verbrennung++++
1316. ACTINE_Zellskelett_Beweglichkeit und Erhaltung (6 Mol.)
1310. Tubulin_Zellproteine-neu (11 Mol.)
1299. Rho & Rac-GTPasen_Zusammensetzung Zytoskelett
1297. VCP_valosin-containing protein_Clemen
1296. IF-Intermediärfilamente_Keratin u.a. (Uni Köln-9 Moleküle)
1287. Coronin 3,-1,-2B, 2mm_Uni Köln

1282. ANXA_Annexine (14 Mol.) Membrantransport,-orga., Ca²⁺Uni Köln
1268. CONSTANS (+Crypto+Phyto) Blütenbildung
1267. C5+Rezeptor_Vernarbung bei Leberzirrhose +++
1265. DGS_DiGeorge syndrome_Chr.22 (4 Mol)
1261. SSR1_selekt.Serotonin Wiederaufnahmehemmer
1260. Cx26_GJB2_gap junction protein_Autosomale Taubheit (61-34)+++
1259. Elastin+ LIM-Kinase_Williams Syndrome (5 molecules)
1254. GBA-glucosidase (Gaucher disease)
1253. MYC,MYCN,MYCL1_viral myelocytom.oncogene_Lungenkrebs und Burkitt lymphoma Epst-Barr+Myc) +++
1250. NPC1+NPC2_Niemann Pick disease type C
1248. PDS_Pendred syndrome_erbliche Taubheit
1247. PERP_Tp53 apoptosis effector
1246. PIG-A_PHParoxysmal nocturnal hemoglobinuria246
1245. CD 95+Ligand_Apoptose_Killergen_Tum-Nekr-Fakt.++++++(DKFZ)
1243. DICER_Enzym microRNA_stem cell differentiation +++
1242. Eppstein-Barr=HHV4gp081_nuclear antigen EBNA-3A
1241. Epstein-Barr-Virus Komplex(5 Mol)
1240. HNRPL_mRNA Entwicklung(ACA_9) _ CACA-repeats+++
1239. MLL T-1,-2,-2rel,-3,-4,-5,-6,-7_Leukämie (!T1_s0-1!) (9 Moleküle)
1230. MAP2K2, -K1IP1 cell. proliferation, differentiation, transcription regulation and development
1229. MAPK1 prolif., different., transcr.regul.+ development
1228. ASK1=MAP3K5 mitogen-activated protein kinase (+DAXX+PARK7)
1227. DAXX(+PARK7+ASK1
1226. GADD45-A,-B,-G,-GIP1_growth arrest and DNA-damage-inducible(4 mol)
1222. GAGE, PAGE,XAGE_G,P,X- antigenes_expressed in tumor cells (8 molecules)
1214. GLI-1 glioma-ass. oncogene hom.1zinc-finger prot
1213. HLF_hepatitic leukemia factor+++
1212. IKK2_NFkappa-Inhibitor (Hemmstoff Herzinsuffizienz)
1211. NFKBIA_nuclear factor of kappa light polypeptid_inhibitor
1210. PARK7=DJ1_Zelltod- +Stress-Schutz, Parkinson(+DAXX)
1209. PRNP-prionen prot._PrPC_Creutzfeld-Jacob+Meth129Val long term memory
1208. TLR 1-10_Toll-like receptors_angeborenes Immun System
1198. BCL6+BCL9_B-cell Lymphoma
1196. BCR breakpoint cluster_chronic myelogenous leukemia
1195. C11orf30_chrom. 11 open reading frame
1194. KIT Hardy-Zuckerman 4 feline sarcoma viral oncogene_tumor marker
1193. TIF-1A +MDM2 + L11 Stress u. Apoptosesignal p 53(DKFZ)
1190. GDNF-+2 var. _ Neur.Wachstum_Parkinsontherapie +Apopt.Prevention/update 2
1187. ACTB_beta actin_oncogen mechan.COL1A1
1186. ADD3 adducin_membrane-cytoskeleton-associated protein+Calmodulin
1185. AFX1_myeloid-lymphoid leukemia
1184. ABL2_v-abl Abelson murine leukemia viral oncogene
1183. AIB1_amplified in breast cancer-1(!)
1182. Alk_Anaplastic large cell lymphoma (oncogen)
1181. ALO17_KIAA1618 oncogen+Alk
1180. ARNT_aryl hydrocarbon rec. nuclear_Krebs
1179. ASPSCR1_alveolar soft part sarcoma chromosome region
1178. ATBF1_AT-binding transcription factor 1 (onco)
1177. ATIC_krebs+++++
1176. ATM_ataxia telangiectasia mutated_var2
1175. BAD_BCL2-Antagonist of cell death+
1174. BCAS3_breast carcinoma amplified sequenc3 3
1173. BIRC 3-(33)_Apoptose-Inhibitor_Krebs+++++
1172. FSHR_follicle stimulating hormone receptor

1171. HSPB_heat shock 27kDaass.prot
1170. JUN-Protein_Oncoprotein(9)
1169. MLL1_TRX1_Human trithorax-oncogene(33-56)++++
1168. MRE11A_meiotic recombination 11 homolog A(onco) (33)++++
1167. RBL2 Retinoblastom 1(!03!)
1166. RHOH_ras homolog gene family_Oncogen(33)++++
1165. RNF139_multi-membrane spanning protein_tum.supp
1164. AML1+T1/ RUNX1- (33-13) development of normal hematopoiesis++++
1162. SNCA_alpha-synuclein_Parkinson_update 28-05-(12)+++
1161. Ets1_erythroblastosis virus E26 oncogene(avian),Transkriptionsfaktor
1160. DRD2_Grupenzwang-Gen (siehe DRD1-5)
1159. OAT_Gyrate atrophy of the choroid and retina++++
1158. L1_Früherkennung Darmkrebs & Adam10cc !+!+!
1157. VKORC1 Rat+HS_Giftresistenz
1156. DND1- dead end (Hodenkrebs)
1155. LRRK2-dardarin (Parkinson)
1154. NA-neuroaminidase (Influenza)
1153. NH-hemagglutinin neuraminidase (Mumps)
1152. S-1 _ Sars (Coronavirus)
1151. TAT HIV-1 +++
1150. GP1BA Human glycoprotein Ib recap. Willebrand Faktor (VWF)
1149. GP 40/41 + GP120(+3) + GP160 (update von Nr.616) - HIV- 1 e.a.
1143. HA-Influenza B-Virus
1142. HA-influenza A-Virus
1141. HEX-A, -B + GM2A Hexosaminidase alpha polypeptide/ Tay-Sachs disease.
1138. TNFRSF1B Tumor Nekrose Faktor Receptor
1137. TRAIL Receptor 1-4 Apoptose (5 mol)
1132. HEXA,-B+GM2A_Hexosaminidase alpha polypeptid
1131. TAp63a_Zelltod & Zellresistenz (DKFZ)
1130. Beta-Carotenoid_BCMO1+BCDO2+Cluster / Retinal Metabolismus
1127. CASP 7 Alzheimer
1126. CASP1_Apoptose
1125. PYPAF5_NALP6-NACHT_Immunsystem
1124. TBN-Taube Nuss (TATA-binding protein , Pluripotenz Stammzellen)
1123. TAF1B, -C (TATA-bind.prot)
1121. TAF7 (TATA-bind. protein , Promotor-Regulation)
1120. TNFRSF1B-Tumor Nekrose Faktor Rezeptor
1119. SNCA_synuclein alpha_Alzheimer+Parkinson
2018. EPM2A (Epilepsie)
1117. FOXP2_Sprachbildung (alt/32//+ 3 neue Variants)
1114. JSRV + Envelope (Adenovirus +Hüllenprotein / Oncogene)(Hobom)
1112. Verfallsdatum Gehirn – 6 Moleküle (MAP 1B, OGG1, NMDAR/Grin 2A, MEF2C, Calmodulin 2)
1106. MX1_Influenza
1105. Olfactory receptoren OR 2B2, 2W1, -5i1
1102. RAG-1_recombination activating gene 1+2
1100. PTEN_Tumor-Suppressor
1099. REST 1 (+YB-1)_Negativ Regulator Neurogenese
1098. SIR2_gene silencing
1097. TNFRSF1A-Tumor Nekrose Faktor Rezeptor
1096. Chaperone Family_Raumfaltung+Aggregatbildung
GroEl, GroEs, Hsp 104, Hsp60, Hsp70, HSP 70, C1GALT1C1, CABC1, BAG2, BCL, TBCA,-B,-C,-D
1083. C16orf3_putative tumor supp.
1082. CMRF35H_Leukocyte membrane antigen
1081. DFFA_Inhibition of apoptosis, put. tumor supp

- 1080 DGAT2L1 + MOGAT1+2 (Fatty acid synthesis)
- 1076 KRN1_Hair keratin
- 1075 MMP26_matrix metalloproteinase, hormon. Zykl., Tumor
- 1074 MS4A12_membran spanning. Blut- u. Gewebefbildung
- 1073 PPP1R15A_Growth arrest, DNA-damage inducible,apoptosis
- 1072 HYAL3_Testis-specific expression
- 1071 PEPP2_testis-homeobox gene, put.Tumor supp
- 1070 PGR_Progesterone receptor
- 1069 PRM1_Substitutes for histones in sperm
- 1068. SCML1 (transcriptional repressor, embryonic development)
- 1067. TSARG1 /Spermatogenesis cell apoptosis)
- 1066. USP26 testis specific expression
- 1065. FGF 16 (Zell- und Tumorwachstum)
- 1064. Beclin-1 (Kontrollgen Zelltod)
- 1063. MAP1B+NMDAR/Grin 2A+MEF2C+OGG1 ("Verfallsdatum" Gehirn)
- 1059. DOR 43b1 und DOR 83b (Olfactory receptoren)
- 1057. JSRV (Adenovirus) und Envelope Hüllenprotein (Onkogene)
- 1055. E2F1 (Kontrolle Zellteilung, Onkogen)
- 1054. SRX- (sex determining region) box _SOX 1-20
- 1034. OR-Olfactory receptor family – hs 52 Moleküle
- 982. OLFR@ Olfactory receptor cluster - homo sapiens
- 981. Olfaktorische Rezeptoren Mus Musculus - 17 Moleküle
- 964. Interleukin 6 Rezeptor (Autoimmunsystem, Pankreas cancer)
- 963. DMD Dystrophin _ Neuronen und Muskel (Duchenne muscular dystrophy)
- 961. Ash1P + She2P (Transportproteine)
- 959. ATGL-Adipositas (Fettspeicherung)
- 958. LPR2- Megalin (Cholesterin und Hirnschaden)
- 957. MFP2 (Morphogenetische Erneuerung und Abweichung)
- 956. Myelin Proteine 17 Moleküle
- 939. THPO_ Thrombopoietin
- 938. 6 Collagene COL1A2, 2A1,3A1, 4A1+2 (Sehnen, Knochen, Haut, Membran, Uterus u.a.)
- 932. PSOR S1 C1 +C2 (Psoriasis Schuppenflechte)
- 930. EGFR epidermal growth factor receptor var 1+2(Zelldifferenzierung)
- 928. EGF epidermal growth factor (Zelldifferenzierung)
- 927. COLQ - Acetylcholinesterase
- 926. LNPEP (Spaltung Vasopressin + Oxytocin)
- 925. UEBA 3 A (Angelman-Syndrome /auch MECP2)
- 924. AT-I Angiotensin Receptor typ 1, AGTR 1-3 var (Blutdruckregulation)
- 921. ATP7A (Menkes syndrome)
- 920. Aurora Kinasen 1-4 (Zentralschalter der Zellen/ Signalproteine)
- 916. Janus Kinasen 1-3 (Zentralschalter der Zellen/ Signalproteine)
- 915. Cell Cycle Pathway -14 Moleküle
- 901. Constans (Blütenbildung)
- 900. CSF2RA (Morbus Crohn
- 899. SPN/IL4 (Crohns disease)
- 898. PHYA Phytochrome A (Roter Farbdetektor)
- 897. CRY2 Cryptochrome (Blauer Farbdetektor)
- 895. CSA & CSB repair genes (Cockayne syndrome)
- 894. Cox 2 (Darmkrebs)
- 893. DND1 - dead end (Hodenkrebs)
- 892. DNMT 1 (Methylgruppenbildung/ Krebsauslöser)
- 891. GABA hs+rat (Taktgeber inner e Uhr)
- 889. GHRL Ghrelin precursor (Hungerhormon)
- 888. GLC1A/ MYOC (Glaukom)
- 887. GRH human + drosophila (Wundheilung)
- 885. HSM1 (X-linked male homosexuality)

- 884. CAPS1 (Proteinschaltung für Stresshormone)
- 881. L1 (Früherkennung Darmkrebs +ADAM 10)
- 880. ADAM 10 Enzym (+L1 Spaltung /Darmkrebs-Indikator)
- 879. MECP 2 (Rett Syndrom Angelman Dis.)
- 878. MLO (Mehltauresistenz)
- 877. Morphin like
- 876. MUC 4 (Pankreas Karzinom)
- 875. OGFR (Opiod growth factor receptor)
- 874. Ovate Protein Family -Arabidopsis - 17+4 Moleküle (Pflanzenentwicklung)
- 853. PDX-1 (Homebox-Gen/ Diabetestherapie)
- 852. PDYN (Prodynorphin/psychoaktive Substanzen)
- 853. Pig-A/ PNH (Paroxysmal nocturnal hemoglobinuria)
- 852. PPAR -2var (Metabolismus Projekt)
- 850. PCWR (Prader-Willi Syndrome/ Fresssucht)
- 849. SRD5A (Male pattern bladness)
- 848. timeless (Zeitzyklus)
- 847. Trypsin Protease 3 Moleküle (Erbliche Pankreatitis)
- 844. USP 21 (Y-linked Ubiquitin Specific Protease 21)
- 843. VHL (von-Hippel-Lindau Tumorsuppressor)
- 842. YB-1 (Tumorbildung/falsche Zellteilung)
- 841. PXR1_ Zellweger Syndrom
- 840. Fibroin Enzym - 9 Moleküle (Kokons, Seiden- , Spinnfäden)
- 831. ABL Abelson murine leukemia viral oncogene homolog 1 (myelogenose Leukämie)
- 830. BCR breakpoint cluster region (myelogenose Leukämie)
- 829. CTRC Chymotrypsin (Proteasen-Aktivität)
- 828. Elastase Enzym ELA 1, 2, 2A, 3A, 3B
- 823. OCT 4 (adulte Stammzellen)
- 822. SOX-2 (sex-determing region Y-box 2)
- 821. Cell-Cycle Pathway (part): BUB-1, BUB-2, Mad-1, CDC-14, CDC-20, CDH-1, APC, MPS-1, MEN-1, PTTG Securin, Esp-1 Separin, SMC-1 Cohesin
- 809. BCR + ABL (Myelogenöse Leukämie)
- 807. CAT-Catalase (Lebensverlängerung i.V.m.SOD3)
- 806. SOD-3 Superoxiddismutase (Lebensverlängerung i.V.m.CAT)
- 805. GRIA 1-4-Glutamatrezeptoren (Synapsenbildung)
- 801. TEP1+TERC+TERT Telomerasen (Lebensdauer)
- 800. HPC-1/ RNASEL (Prostata Krebs-Tumor Suppressor))
- 798 CLIP + TGF beta (Bandscheibenschaden)
- 796. DPC-smd 4 (Pancreas Krebs)
- 795. OCT-4 (Adulte Stammzellen)
- 794. MUG-DNA-Glykosylase (Stressfolgen-Reparatur)
- 793. NPC 1 (Niemann-Pick Disease, type C1)
- 792. X-ALD1-ABCD1 (Adrenoleukodystrophie Altersdemenz)
- 791 CACNA1A –SCA6 (Spinocerebelläre Ataxie 6 Erbkrankheit)
- 790. PAH - Phenylalanine hydroxylase (Phenylketonurie/PKU)
- 789. WASP (Wiskott-Aldrich syndrome)
- 788. STS (X-linked Ichtyosis + colon cancer)
- 787. SSBP2 (Tumorsuppressor)
- 786. PNP (Nucleoside phosphorylase) –SCIF Immundefizienz)
- 785. PI 3-Kinase (Blutgerinnung)
- 784. PHLPP (Tumorsuppressor + AKT)
- 783. MAPK-Pathway MKNK1 + 2 (+ EGR 1 + NR3C1) Stress
- 782. LFA 1-ITGAL (Radikaler Stoppmechanismus Leukozyten)
- 781. LeaFY-hothead HTH_Arabidopsis thaliana
- 780. KIT (Hardy-Zuckermann 4 feline sarcoma viral oncogene)
- 779. Glucocorticoid Rezeptor (Stresshormonrezeptor Depression)
- 778. GC (Vitamin-D binding protein) -SCID

777. EGR 1 (Growth Factor Zif 268) + AChE + c-fos
775. CTAG 2 (Cancer testis antigen 2)
774. ALDH 2 (Alcohol intolerance oncogene)
773. ADA (Adenosine Deaminase)- SCID
772. ACE (Angiotensin 1 converting enzyme)
771. PARP (Tumor suppressor BRCA1)
770. HNMT Histamine N-methyltransferase (Histamine inactivator)
769. DAO Diamine oxidase (Histamine inactivator)
768. GBA Glucosidase (Morbus Gaucher)
767. ALEX 1+2 (Oncogene, X-linked)
765. APAF-1 (Apoptotic Protease Activating Factor)
764. BCL 2 (B-cell leukemia)
762. BCL 1 (B-cell leukemia)
761. BCL 11 (Leukemia-Lymphoma)
760. CDKN 2A (Melanoma p 16 CDK 4 Inhibitor)
759. EY A4 (Hearing loss)
758. FGFR1 (Pfeiffer Syndrome Fibroblast Growth Factor)
757. FGFR4
756. FYN (Proto-oncogene)
755. H1N1 (Influenza Virus)
754. MHC2TA (Arthritis + Infarct+MS)
753. MLH 1 (Colorectal cancer)
752. MLL-Sept 6 (Mixed Lineage Leukemia_AML)
751. MSH 2 (Colorectal cancer)
750. YES1 (Yamaguchi Sarcoma Oncogene)
749. AT-II Angiotensin receptor (Blood pressure regulator)
748. Drosophila (5 isoforms) + Human
742. Ephrine A+B (Signal- and Synapse proteins)
721. Eyeless Drosophila (Eye development)
720. F 8 + F 9 (Hemophilia- X-linked)
718. ALA S2 (Anemia)
717. G6PD (Anemia)
715. GATA 1 (Anemia+Leukemia+DS – X-linked)
714. KIR 2.1+3.1 (Signal transduction)
712. LMNA Laminin A (Hutchinson-Gilford-Progeria Syndrome, HGPS 5 Molecules)
707. LRDD_iso 1+2 (Tumor suppressor)
705. MISTIC (Integrin membrane proteins)
704. OSBP (Signal transduction factor Cholesterol)
703. PAX 6 (Master gene Eye development)
702. PPAR α muscle + human (Fat metabolism, "Dauerlauf")
700. RAB 5 Oncogene (5 Molecules)
695. SCID (Bubble-Boy-Disease-Immune deficiency)
687. Zinc finger genes (Leukemia):
 BCL6 zinc finger_Lymphoma 6, ZBTB16_promyelocytic ,leukemia, ZFX1B_Mowat-
 Wilson Syndrome, ZNF 146_OZF_exocrine pancreas tumor, ZNF 198_FIM_Stem-cell
 leukemia, ZNF 235 +++, ZNF 271_epstein barr, ZNF 398-estrogen receptor interaction++,
 ZNF224+++, ZNFN1A1_Ikaros_T-cell-leukemia, ZTGB 20
677. cAMP (Signal protein f. cellular diversity)
676. PMP22 (Peripheral myelin protein22)
675. CK1 delta (Sleep rhythm)
674. THPO (Thrombopoietin-pro-Apoptosis + EPO)
673. RTEL1 (regulator for Telomere elongation)
672. RALGAP1 (Chediak-Higashi Syndrome)
671. PKHD1 (Polycystic Kidney & hepatic Disease1)
670. PDF.3 defensin-fusion protein
669. ODC +/-mc+MAX (maternal touch)

- 668. NUFIP 1 (nuclear fragile X-mentale retardation)
- 667. Neurogenin2 (Schmerzempfinden+ kontorlliertes Nervenwachstum)
- 666. Myostatin (Skelett-Muskel Wachstum)
- 665. MIP-1 alpha allergische Reaktion
- 664. MAX (Myc-associated factor X)
- 663. MAD2 (Tumorstopper)
- 662. IZUMO (Verhütung)
- 661. HNPCC _hereditäres nicht-polypöses Kolokarzinom)
- 660. HHV Human Herpes Virus 5
- 659. ED1 (Ectodermal dysplasia X-linked)
- 658. DRD4-Dopamin rezeptor (Neugierde, Parkinson u.a.)
- 657. DKC1 (Dyskeratosis congenita_x-linked)
- 656. COL7A1 (Kollagen VII Epidermolysis bullosa)
- 655. c-fos (Osteosarcom oncogene)
- 654. CD9 ("Samenzellen-Eiverschmelzung" _Zellwachstum,-aktivität,-beweglichkeit)
- 653. B-CLL (Leukämie)
- 652. ADFN (Albinism-deafnes_X-linked)
- 651. AChE /Stresskomplexität)
- 650. CACNA1F (Nachtblindheit, x-linked)
- 649. CMT 2- KIF 1 B (CMT- Neuropathy 2A)
- 648. CMT1 - MPZ (Myelin protein zero)
- 647. PMP22 (Periphel Myelin Protein 22- CMT1)
- 646. CX 32 (CMT-Charcot-Marie-Tooth, x-linked)
- 645. HHV (Human Herpes Virus 2)
- 644. SOX3 + 3 Mutationen (SRY-related HMG-box 3)
- 640. FMR1 + FMR2 / Genes + CDS (MRX-Mental retardation, x-linked)
- 636. MECP2 (Rett Syndrom, x-linked)
- 631. NLGN3 (Asperger Syndrome, x-linked)
- 630. NLGN4 (Autismus, x-linked)
- 629. OPN1MW (Farbenblindheit, x-linked)
- 628. PLP (Perlizaesus merzbacher, x-linked)
- 627. POU3F4 (Taubheit , x-linked)
- 626. RP2/ 1 Mutation und RPGR (Retinitis pigmentosa, x-linked,)
- 623. RS1 (Juvenile Retinoschisis, x-linked)
- 622. SYN1 und ARX + 4 Mutationen (Epilepsie , x-linked)
- 616. Gp41,-locus120, -env 160 (HIV-1 Immundefizienz)
- 613. CD 4Rezeptor (HIV-1-Immundefizienz)
- 612. PR 48 (Protein-Phosphatase_ X,Y)
- 611. CCR5 delta 32 (HIV-Abwehr)
- 610. Ey-Drosophila (Mastergen Augenentstehung)
- 609. BTNL 2 (Sarkoidose)
- 608. Ced 10 (Apotose)
- 607. GreA + GreB (Transskriptionsfaktoren)
- 605. IGGMBP-2 + SMN1 (Spinale Muskel Atrophy)
- 603. AAARSs- class I (9 Aminoacyl- tRNA synthases)
- 594. AAARSs- class II (10 Aminoacyl- tRNA synthases)
- 584. ALZHEIMER PATHWAY.
 - A2M alpha-2-macroglobulin
 - APBB1 amyloid beta (A4) precursor protein-binding,
 - APH1 anterior pharynx defective 1 homolog A
 - BACE beta-site APP-cleaving enzyme
 - CASP3 apoptosis-related cysteine protease
 - GAPDH glyceraldehyde-3-phosphate dehydrogenase
 - GSK 3B glycogen synthase kinase 3 beta
 - IDE-Insulinase insulin-degrading enzyme

- LPL1 -lipoprotein lipase
LPR 8 low density lipoprotein receptor-related protein 8,
MAPT microtubule-associated protein tau
MME membrane metallo-endopeptidase
NCSTN nicastrin
571. GLUD-2 Glutamatdehydrogenase (Gehirn-Entwicklung)
570. Bcl 2 +Bcl2L11+7 variants (Apoptose-Regulatoren)
561. DOT-1L (4 histone H3 methyltransferase)
560. Histone 1, 2a, 2b, 3, 4 (Erstabilität)
555. ACTININ 3 hn (Muskelprotein)
554. HRAS- Proteinfamilie (Onkogene)_ 26 Moleküle
525. N-Myc (Neuroblastom)
527. MYB (proto-oncogen)
526. FOS (Zellwucherung, -differenzierung, -transformation/ Onkogen)
549 N-RAS (Neuroblastoma v-ras oncogen homolog)
524. SRC (v-src Sarkom-Viral-Onkogen)
523. PDGFB (Simian-Sarkom-Onkogen)
522. ABL-(Myeloische Leukämie)
521. FES- (Tyrosin- Protein Kinase-"Katzen-Syndrom)
554. HRas- (v-Ha-ras Harvey rat sarcoma viral oncogene)
519. CD3-TCR-Komplex (-G,-Z
517. NUP 98 (Leukämien AML +T-ALL/ Fusionen mit HOX A 13,-A10-B3,-B4, -C11)
516. HOX A 01-13 (Embryonalentwicklung)
506. HOX B 01- 09 (Embryonalentwicklung)
497. HOX C 04-13 (Embryonalentwicklung)
487. HOX D 01-11 (Embryonalentwicklung)
480. NF 2- neurofibromin 2 (bilateral acoustic neuroma)
479. NF 1-neurofibromin 1 (neurofibromatosis, v. Recklinghausen disease, Watson disease)
478. Rhodopsin (Photorezeptor f. schwaches Licht)
477. APC (Colon Carzinom)
476. KRAS 1 (Colon Carzinom)
475. PSAP-C (+CD1 > Tuberkulose -Abwehr)
474. UB 14 (Ubiquitin Proteasom.-Syst-/ Zell. Stressabbau)
473. MLH 1 (Darmkrebs)
472. Interferone alpha, beta (Krebstherapie,MS, u.a.m.)
470. HTATIP2 _Tat interactive protein 2 (HIV-1)
469. CYP2D6 (Alzheimer)
468. EFNA 4 (Ephrin A4)
466. COX 2 (Darmkrebs)
465. RAD 23
464. CBS (Entwicklung Leber,Gehirn,Pankreas/ Arteriosklerose,Thrombose)
463. BQ13 (Gentherapie Krebs)
462. BetaARC 1 (Herzinssuffizienz)
461. BLGM1-Bacterium
460. ATP7B (Morbus Wilson)
459. CYP51 A1 (Cytochrome p450-Demethylase)
458. MAGE-A3 (Melanom-Antigen)
457. NGF-nerve growth factor, beta polypeptide (Nervenwachstum, HIV)
456. NGFR- nerve growth factor receptor (TNFR superfamily, member 16)
455. CNR1+2 (Cannabis Rezeptoren 1 + 2, Gehirn)
453. FMR1_ (fragile X mental retardation 1)
452. FGF3 - Fibroplast growth factor –Zellwachstum, Tumorentwicklung
451. FGFR3-Fibroplast growth factor receptor und 2 Mutationen R248C + C749G
448. EFNB2- Ephrin (Signalprotein Lymphgefäßsystem) + EPH-Rezeptor B
446. Cdc 48 - Ubiquitin-Proteasom-System ("Sterbehelfer")+ Ufd1 + NPL4+RAD23(lfd.Nr465)

443. SOD1, superoxide dismutase 1 (amyotrophic lateral sclerosis 1) + 5 Mutationen
438. COX1/COI Cytochrome c-oxidase 1 (Barcode der Arten, +23 Beispiel-Organismen)
415. CTNNA1 Catenin Beta 1 (Alzheimer)
414. NADH2 dehydrogenase subunit2 + 2 mitochondriale DNA Mutationen (Alzheimer)
411. TAS2R14 taste receptor (Bitter)
410. TAS2R38 taste receptor, type 2, member 38 (Bitter)
409. RPE65 retinal pigment epithelium-specific protein (+2 Mutationen/ Blindheit)
406. PRNP_prion-protein (Creutzfeld-Jacob, Huntingtin)-Disease)
405. NOVA2 (neuro-oncological ventral antigen 2)
404. GRINA (glutamate receptor)
403. MTNR 1A u. 1B (Melatonin Rezeptoren)
401. HTR 1A,-1B, -2C, 3A,-3B, -4, -5A, -7 (Serotonin Rezeptoren)
393. PKA (Humane Protein Kinase)
392. ESR-1 u. -2 (Östrogen Rezeptoren)
390. PRG (Progesteron Rezeptor)
389. ADD3 adducin (gamma) /ADDL short + long (Markerprotein Demenzerkrankungen)
387. DRD 1, -3, -4, -5 (Dopamin Rezeptoren)
384. BDNF (Alzheimer u. Parkinson Funktion)
383. IGF2 (Wachstumsfaktor)
382. FGFR2 (Wachstumsfaktor, Pfeiffer Syndrom)
381. PARK2 (Parkinson)
380. p73 (Onkogen)
379. ACTININ 4 (Onkogen)
378. ALS2 (Amyotrophe Lateralsklerose/ Demenz)
377. BMP2-Bone Morphogenetic Protein (Osteoporose)
376. LRP 6-1 low-density Lipoprot. Receptor (+Wnt Rezeptoraktivität)
375. LPH/ LCT-Lactase (Lactose-Intoleranz)
374. AdR_Adrenodoxin (Elektronentransport)
373. Beta-Glucanase _Gerste (Wachstum, Keimung)
372. MICA-MHC 1 class (cell recognition; defense, immune & stress response)
371. BRCA 2 (Brustkrebs)
370. TNF-alpha, Tumor-nekrose-factor
369. Interleukine 2-18
353. WT1-Versionen A-D, (Wilms-Tumor)
349. STAT1A+1B (Signalproteine) „STAT-Familie“
346. WNT-2,-3,-4,-6,-11,-13,-14,-15,-16
(Steuerung , Vermehrung von Stammzellen)
337. DKK1,2,3-Dickkopf-Gene (Kopf-Morphogenese, Signalweg)
DKK 1-Kopfbildung-homolog (44-12..)
DKK 2_DKK2 osteoblast differentiation (31-35,44,11-..56,56..)++
DKK 3_tumor suppressor(01-33..)+++
334. BLM-Gen (DNA-Stabilität bei Reparatur und Replikation - Bloome Syndrom Gen)
333. Akt1(Virales Onkogen)
332. EGRF (Leukämie Receptor)
331. RB1 (Retinablastom)
330. Insulin Receptor
329. TERF2 (Telomeric Repeat Binding Factor)
328. 7 KAT1-Kaliumkanäle-Mutation Ingo Dreyer, Universität Potsdam
321. GABRA (Neurotransmitter Depression)
320. Vif (/ CEM 15, HIV-Virus)
319. TPH-Tryptophan Hydroxylase
318. UBEA3 Angelmann-Syndrom
317. hnRPL + -iso (mRNA-Entwicklung)
315. GDNF (neuronales Wachstum, Parkinson)
314. HER2/neu (Onkogen)

313. NPR2/VEGF 165 (Psoriasis, AMD)
Angl-1 /Angiopoietin
SEMA3C
310. DMPK (Myotone Dystrophie)
309. Vitamin D-Rezeptor,
COL1 A1,
LPH (Osteoporose-Risiken)
306. LD2r (Hypercholesterinämie)
305. FGD1 (Aarskog-Syndrom)
304. AZF,
DAZ 1+2,
CFTR (männliche Sterilität)
301. HBA1,
HBA2,
HBB-Hemoglobine (Thalässemie)
298. HD (Huntingtin Disease)
297. CYP 21 (Adrenogenitales Syndrom)
296. Opiat Rezeptor-OPRM1
(Schmerz-, Suchtbindung)
295. LSD1 (Enzym zur De-Methylierung , DNA-Abbau)
294. VMAT2 (“Gottes-Gen”)
293. TNF2 (Tumor-Necrosis-Factor)
292. LPL1 (Lipoprotein-Lipase)
291. HTR6 (Serotonin-Rezeptor)
290. YY1 (Transskriptionsfaktor)
289. Gcm2 (Schilddrüsenagenese)
288. LRRK2 (Parkinson)
287. Histone 2a,2b,3, 4
(Informationsstabilität)
283. Neuropilin (Immun-Bremse) D.Bruder, GBF, Braunschweig
282. BRUCE (Apoptose -Inhibitor)
281. CRP-Protein (Herzinfarkt), Paul Ridker u.a. , Boston
280. HFE- Hemochromatose (Eisenspeicherkrankheit)
279. FKBP 5 (Wirkung Antidepressiva) N.N., MPI München
278. BRCA 1 (Brustkrebsgen) J Lorenzo Bermejo u. K. Hemminki
277. Glucocorticoid-Rez.(Depression) M. Boyle, Washington-Univ. St. Louis
276. AKT2
KAT1
SKOR Kalium-Kanäle (Transport) Ingo Dreyer, Univ. Potsdam.
273. Calmodulin (Reaktionsfähigkeit Gehirn) N.Brose u. Ch.Roesenmund, MPI Goettingen
272. CYP2A6 (Nikotinsucht) J. O. Laughlin, Univ. Montreal
271. Udx1 (Samenzellenabwehr) Julian Wong Brown-Univ. Providence
270. Thymosin beta 4(Infarktschäden) D. Srivastava, Universität Texas
269. Bypass1(Kontrollgen Wachstum) I.Van Norman, Univ. Utah
268. Indolamin-Dioxygenase, (Immunsystem) Peter Terness, Uni Heidelberg
267. ET1 (Krebstherapie) Olivier Ferron u.a., Univ. de Louvain
266. GLUD-1 Glutamatdehydrogenase (Gehirn-Entwicklung) F. Burki ,
G.Steiner u.a.
265. FAS 1 (Stressresistenz)
264. Klotho (Lebenserwartung) N.N., John Hopkins Univ.
263. Protein-Kinase (TBC.Erreger) Jean Pieters, Uni Basel
262. PLK1-Enzym (Tumorwachstum) Klaus Strebhardt, Uni Frankfurt
261. A20-(Immunsystem) David Boone, Uni Kalifornien
260. FOXj1-(Immunsystem) Stanford Peng Uni. Washington
259. Cytochrom-c-Oxid. / Cox 8h
258. Syncytin (Multiple Sklerose) Joseph Anthony, Universität Calgary
257. MUNC 13 (Gedächtnis) N.Brose, MPI f. Exp. Medizin, Göttingen u.a.

256. SK3 (Lernfähigkeit) Joachim Spiess, MPI f. Exp. Medizin, Göttingen
255. CRF (Stresshormon) Joachim Spiess, MPI f. Exp. Medizin, Göttingen
254. CHRNA4 /alpha 4 (Nikotin Rezeptor) Henry Lester, CalTech
253. V1aR („Treue-Gen“) Miranda Lim, Univ. Atlanta
252. Twist (Metastasenbildung) Robert Weinberg, Whitehead Inst. Cambridge
251. NPS (Schlaflosigkeit, Angst) Rainer Reinscheid, Univ. Irvine
250. RAD51 (Prod. Sperma/Eizellen) MPIZ, Köln
249. OPN1LW (Farbsehen Frau/Mann) Tishkoff & Verelli, Univ. Arizona
248. Notch+Distalless (“Schönheit“) Reed & Serfas, Duke Univ.
247. Galanin (Therapie Epilepsie) Thomas McCown, Univ. North Carolina
246. Interferon Gamma (Therapie Asthma) Shyam Mohapatra, Univ. Tampa
245. Hämoxygenase 1 (Infarktschäden) Victor Dzau, Havard Univ. Boston
244. Aromatase („Kindersegen“) Steven Benner, Univ. of Florida
243. SDD_1 (Protein-Abbau) Th. Altmann, MPI Golm
242. NRP 1 (Alkoholsucht) A. Davies, Univ. of California
241. TLR 4 (Antigen Leber) An de Creus, Univ. Pittsburgh
240. SNAP 25 (Signalübertragung) E. Neher, MPI Göttingen
239. GlyT1+T2 (Neurotransmitter) M. Betz, MPI Frankfurt/ Main
238. CD 1 (Lymphozyten/Tuberkulose) F. Winau, MPI Berlin
237. STAT 3 (Apoptose-Signalprot.) B. Groner, NFGN, Frankfurt
236. STAT- 4 (Gentherapie Diabetes) Zandong Yang, Journal of Autoimmunity
235. Proteinfamilie Repair-Genes Literatur
191. NGF (Nervenzellen Wachstum) M. Tuszynski, Univ. of Californis,
190. Diversin (Funkverkehr) Strausberg u.a. NIH
189. FEZ1 (Lungenkrebs-Genese) Solomon u.a.
188. Lateral Suppressor 1+2 („Gen-Tomate“) K. Schumacher u.a., Instit. für Genetik, Uni. Köln
187. Hum. Novel Gene Kroepelin
186. Bach (human brain acyl-CoA hydrolase).
185. IKK-alpha (Skelettaufbau) M. Karin, Uni. La Jolla,
184. H19_ Parthenogenese Kono, Universität Tokio, Nature
183. IGF1- Parthenogenese dito
182. T2R14_ Geschmackrez. bitter Adler u.a , Bethesda
181. KCNMB1 (Bluthochdruck) Migeul Valverde, Univ. Barcelona
180. CD95L (Apoptose- „Killergen“) Ana Martin-Villalba , Nature Medicine
179. PrPc, PrPsc,
176. DHFR (Malaria) M. Walkinshaw, Univ. of Edingburgh
175. CTL-4 + CTL-MA2 (Malaria) M. Osta, EMBL, Heidelberg
174. LRI M1 (Malaria-Waffe) M. Osta, EMBL, Heidelberg
173. Dopamin rec. 2+3 (Schizophrenie) Literatur
171. DSCR 1-10 H. Lehrach; M.L. Yaspo, u.a. MPI Molekulare Genetik,
161. Presenilin-1,-2 (Alzheimer) Literatur
159. Synuclein (Alzheimer) Literatur
158. Cytochrom P 450 - Literatur
- (Medikamentenwirkung)
157. CD 44 (Entzündungsreaktion) Tony Day, Medical Research Council
156. Q-beta (Antibiotikum) Ing-Nang Wang, Science Magazin
155. SRP 54 (Signalerkennung) Roland Beckmann, Inst. f. Biochemie, Charitè Berlin
154. EPO- (“Gen-Tuning“) + 183. IGF1
151. hGH (Wachstumshormon) Literatur
150. NFkappaB, (Immunabwehr) Literatur
149. Mukoviszidose (Lungeninfektion) Literatur
148. Indy (Lebenserwartung) Felix Knauf, MDC-Berlin Buch,
147. Clock, TIM, cycle, Per3 (Uhr Gene)
144. CYP3A4 (Medikamentenwirkung) H.-G. Klein, Lab. f. Medizinische Genetik, Berlin
143. NompC (Gleichgewicht) Nicolson, MPI f. EB, Tübingen

142. FGF 5 (Proteinvielfalt) James C. Yang
141 FAT-1 (Gesunde Fettsäuren) Jing X. Kang , Harvard Medical School
140. Kv 1.3 (Geruchssinn) Debi Fadool , Univ. von Florida (Nature online)
139. TOP7 (Comp.Design Protein) Brian Kuhlmann, Univ. of Washington, WA
138. Foxj-1 (Autoimmunsystem) Stenford Peng, Univ. of Washington, St.Louis
137. Leptin ("Schlank-Hormon") Lelio Orci, Universität Genf,
136. Dscam (Nervenvernetzung, indiv.Code) G.Neves, Whitehead Institut, Cambridge
135. CEBP-beta (Genregulator) Achim Leutz, MDC-Berlin Buch
134. 5-HTRA1 (Panikstörung) A. Neumeister, Journal of Neuroscience (24,589)
132. Beta-Catenin (Signalprotein) Walter Birchmeier, MDC Berlin-Buch,
+ 127. Wnt 3 (Stammzellen-Signalprot) L.Sommer, ETHZ / R.Kemler, MPI f. Imm.Biol
131. Diversin ("Funkverkehr") u.a.
130. Vasopressin ("männl.Liebe") M.Lim,. Journal.of Comparative Neurology
129. Interleukin-1 (plötzl.Kindstod) Hazim Kadhim, Universität Louvain
128. CPEB (Gedächtnis/Prionenfunktion)Eric Kandel, Whitehead Institute
126. Period 3 ("Innere Uhr") S. Archer, Univ. of Surrey
125. NUP 96 (Artenbildung) D. Presgraves, Univ.of Rochester
124. MIC 1 (Fehlgeburt) Stephen Tong, Universität Sidney
123. C-MYK5 (Oncogene) Nature 303, (725-728)
122. RGS 9 (Lichtgewöhnung) Nature 427 (75)
121. Hes-1-Gen (Gallenblase) R.Sumazaki, Uni.Tsukuba/ Nature Genetics,
120. DARP-32 (Schizophrenie) BDW-Ticker
119. slo-1 Gen (Alkoholwirkung) Steven McIntire, Ernest-Gallo-FZ/ Cell
118. DISC1 (Schizophrenie) Molecular Psychiatry
117. 5 HTT (Depression) Science
116. BRAF (Hautkrebs) P.Meyer, Inst.f.Humangenetik Uni Tübingen
115. PrPsc (Prionenübertragung) A.Aguzzi u. M.Prinz, Göttingen
CRCX5 MDC, Berlin
113. ENPP1 (Adern-Verkalkung) P.Nürnberg, MDC Berlin-Buch
112. GAD 65 / GAD 2 (Appetit) PLoS
111. Kinase 2(Langzeit-Gedächtnis) A. Hedge/ Winston-Salem
110. Adiponectin (Fettleibigkeit) S.Shklyayev/ PNAS
109. Oxytocin + Receptor ("weibl. Liebe") Miranda Lim, Emory-University.
Journal of Comparative Neurology
108. GTSO1+ 02 (Parkinson, Alzheimer) Pericak-Vance & Li / Durham
107. PP1 ("Vergessen") D. Genoux, ETH-Zürich
106. CBP (Chorea-Huntingtin) Ch. Ross/ Science
105 GRK3 (manisch-depressiv) J. Kelsoe/ San Diego
104. 2G12 (AIDS-Antikörper) Chen & Baltimore, Pasadena/ PNAS
102. LPP (Spina bifida/ Geburtsfehler) Ph. Stanier/ Imperial College, London
101. GPR54 ("Pubertät") New England Journal of Medicine
100. DPP 10 (Asthma) W. Cookson, Oxford/ Nature Genetics
99. RET (Hirschsprung Krankheit) A.Chakravarti, Cleveland/ Nature Genetics
98. DBR ("Individualitäts-Gen") J. Epplen, Humangenetik RUB
97. DREAM (Alzheimer) Literatur
96 ASIC ("Lern-Gen") J.Wemmie,Iowa/ Neuron
95. HTR2A ("Gedächtnis-Gen") D.Quervain, Zürich/ Neuroscience
94. TPH(Serotoninproduktion, Aggression)D.Rujescu,München/ Molecular Psychiatry
93. Sonic Hedgehog (Signalprot., rechts-links,
Bauchspeicheldrüsenkrebs) S.Thayer, Havard/ Nature
92. CEM 15 (AIDS-Abwehr) M.H.Malim, London/ Nature
91. MLP (Herzrhythmus) Ch.Geier & K.J.Osterzierl, Charité Berlin
90. HSP 27 ("Selbstmordverhinderung") C.Woolf, Massachusetts/ Neuron
89. HSF1 (Stressresistenz v.Zellen) Literatur
88. RKIP (Prostata-Krebs) A.Arbor, Michigan University
87. Furin ("Killer-Gen") S.Henrich, MPI f. Biochemie/ Martinsried

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| 86. CRMP (Lungenkrebs) | Literatur |
| 85. SMAC (Krebsgeschwüre) | K.-M.-Debatin,DKFZ/ Nature Medicine |
| 84. "Neuronaler Code" | A. Borst, MPI f. Neurobiologie/ Martinsried |
| 83. ECFP (artificial AAs) | N.Budisa/ MPI f. Biochemie/ Martinsried |
| 82. Cyclin-D1 (Metastasen) | R.Pestell, Georgetown/ Mol. Biol. of the Cell |
| 81. Actinin ("Sportlichkeit") | K.North, Sidney/ New Scientist |
| 80. Trif (Immunabwehr) | B.Beutler, Scripps-FI/ Nature |
| 79. SRY-Gen ("Männlichkeit") | Dr.Hobom/ Literatur |
| 78. APP-Prot. (Alzheimer) | Prof. Kai Simons/ MPI-CBG, |
| 77. VAC17 ("Wegbegleitungs-Protein") | L.Weismann, Iowa/ Nature |
| 76. TAU (Zellskelett, Alzheimer) | Cryns & Binder, Chicago/ PNAS |
| 75. casein-kinase 2, alpha+beta | Prof.D.Schomburg, Inst.f. Biochem. Uni Köln |
| 74. Titin (Muskelprotein) | Literatur |
| 73. ad Methylierung | div. |
| 72. CNGA1-4// -B1+3 (Sehen & Riechen) | Prof. Dr. Kaupp/ FZ Jülich |
| 69. DAF 16 (Alterungsprozesse) | Dr. B. Hobom/ Datenbank |
| 68. SYG 1 (Synapsenbildung) | Datenbank |
| 67. Basson (Photoreceptor-Synapse) | Dick & Brandstätter, MPI f. Hirnforschung |
| 66. psd 95 ("Bewusstsein") | Singer & Engel, MPI f. Hirnforschung+FZJ |
| 65. CLCN 2 ("Epilepsie-Gen") | A. Heils, UKB Bonn |
| 64. p53 Exon 8, Mutationen | A. Böcking, Cytopathologie Uni. Düsseldorf |
| 63. PCNA + Ubiquitin + SUMO
(Reparatur-Gene) | S.Jentsch, MPI Martinsried |
| 60. e-cadherin, human +mouse | D. Heinz, GBF,Braunschweig |
| 59. internalin (Infektionsstrategie) | D. Heinz / Dr. B. Hobom |
| 58. Grp(r) / ("Angstgen") | B.Hobom/ Datenbank |
| 57. smallRNA, human +
Tetrahymena org./ diverse | Steger/ Uni Duesseldorf |
| 48. CA-repeats/eNOS – RNA | A.Bindereif , Uni Gießen |
| 47. pso2/ snm 1 human (Reparatur) | A.Ruhland, Bayer, Leverkusen |
| 46. NS 1 (Influenza –Virus) | Literatur |
| 45. KCNQ1 /Herzrhythmus) | Yi-Han Chen, Tongji Univ. Shanghai |
| 44. p21 /(Krebs) | B.Hobom/ Datenbank |
| 43. FGF4 (Wanderung v.Krebszellen) | A. Ulrich, MPI-Martinsried/ |
| 42. 4 Zellproteine:
tubulin, Rab 5, prominin,
kifc 2 | Kai Simons,
P. Verkade
J.Howard, MPI-CBG, Dresden
MPI –CBG, Dresden. |
| 38. 2 Zellproteine:, ha,vsv | J.Th Epplen, Humangenetik RUB |
| 36. Androgen-Rezeptor | B.Hobom |
| 35. bcl 3-Gen | Enfedaque, Barcelona |
| 34. Bss-Prot. | J.Reich , MDC-Berlin |
| 33. CETP-(Cholesterin) | A.Pääbo, MPI-EVA ,Leipzig |
| 32. FoxP2 / ("Sprachgen ") | B.Hobom |
| 31. GFP Grün-Fluoresz.Prot.
+8 Varianten | |
| 23. HTR II (Serotonin-Receptor) | G.Büldt, FZ-Jülich |
| 22. SR II (Photoreceptor) | G.Büldt, FZ Jülich |
| 21. p53 Intron/Exon (s.u.) | Literatur |
| 20. Pirin | U.Heinemann, MDC-Berlin |
| 19. Phospholamban (Herzrhythmus) | E.Krause, MDC-Berlin |
| 18. HBV + X-Protein (Hepatitis-B) | Literatur |
| 16. chop-Gen (Liposarcom) | G.Nagel, MPI Biophysik, Frankfurt |
| 15. kpnb2 ("Adress"-Protein) | G.Blobel, N.Y./ Datenbank |
| 14. 3 Farbrezeptoren Auge | U.B.Kaupp , FZ Jülich |

11. ApoE (Alzheimer)	W.Heiden, GMD , St.Augsutin
10. Bacteriorhodopsin (Photoreceptor)	G.Büldt, FZ Jülich
09. Hemoglobin + sickle (Sichelzellanämie)	W.Heiden, GMD St.Augustin
07. Hmfb-caps (Informations-Stabilität)	U.Heinemann, MDC, Berlin
06. Hox-Gen (Embryonalentwicklung)	W.Heiden, GMD, St.Augustin
05. Insulin (Diabetes)	W.Heiden, GMD, St.Augustin
04. Lactose-Repressor	B.Kisters-Woike, Uni Köln
03. MHC-Gen (Immunsystem)	J.Epplen, Humangenetik RUB
02. p53 ("Wächter-Gen)	B.Hobom
01. Taq-Polymerase	H.Jung-König, Roche AG, Mannheim