

Supplementary table 2 Deleted genes in 3q12-3q21 with a haploinsufficiency (HI) score <50%

Name	Location	%HI
ZPLD1	3:103303040-103681375	44.9
ALCAM	3:106568403-106778433	10.9
CBLB	3:106859799-107070577	18.2
BBX	3:108724480-109007396	19.9
TRAT1	3:110024321-110056404	30.6
DPPA4	3:110527893-110539083	26.9
PVRL3	3:112273413-112335752	19.7
CD96	3:112743616-112853896	46.2
TAGLN3	3:113200276-113215424	44
CD200	3:113534606-113564346	36
ATG3	3:113734072-113763453	33.1
CCDC80	3:113806103-113842667	11.8
KIAA2018	3:114849922-114898183	24.9
NAT13	3:114920531-114947786	7.7
ZDHHC23	3:115149438-115164515	23.8
DRD3*	3:115330247-115380589	45.5
ZBTB20*	3:115540230-116348817	6.8
GAP43**	3:116824861-116923024	17.6
LSAMP**	3:117011853-117646568	10.6
IGSF11***	3:120102173-120347588	38
B4GALT4***	3:120413286-120442442	22
COX17***	3:120871062-120878933	38.8
NR1I2***	3:120982021-121020021	18.9
GSK3B***	3:121028238-121295203	1.2
LRRC58***	3:121531624-121550876	46.6
FSTL1***	3:121595817-121652533	19.1
HGD***	3:121829705-121884018	5.9
GTF2E1***	3:121952059-121984605	9.7
POLQ***	3:122632968-122748178	49.5
HCLS1***	3:122832937-122862405	15.7
SLC15A2***	3:123095977-123143147	13.8
CASR***	3:123288199-123488032	42.3
CCDC58***	3:123561126-123584764	20.5
WDR5B***	3:123616073-123617065	25.5
KPNA1***	3:123623438-123716474	2.9
SEMA5B***	3:124110733-124229266	11.8
PDIA5***	3:124268607-124363606	45.5
SEC22A***	3:124403465-124474043	36.3
ADCY5***	3:124485481-124650082	25.7
PTPLB***	3:124693094-124786726	43.3
MYLK***	3:124811586-125085868	42
ROPN1***	3:125170571-125192889	22.3
KALRN***	3:125296275-125922726	12.5
ITGB5***	3:125964488-126088834	21.1
HEG1***	3:126169011-126231001	35.9
SNX4	3:126648185-126721748	28.3
OSBPL11	3:126730392-126796624	31.5
KLF15	3:127544191-127558929	22.4
CHST13	3:127725866-127744823	38.4

* genes within the shortest region of overlapping deletion

** genes deleted in case 14

*** genes deleted in case 15