

# Report coriandR

*Koch V.*

*27 November, 2020*

## [1] "Patient 109516"

unique_reads	3767290
average_length	145.304
unique_mapped_reads	7235713
patient ID	109516
gender	M

## Calculated numerical karyotype:

add(11)(p15.4p15.1)

add(11)(p14.2p11.12)

add(11)(q11q25)

del(12)(p13.2p11.23)

del(12)(q21.2q21.31)

del(12)(q21.33q23.2)

del(18)(p11.31q23)

del(5)(q14.3q33.2)

del(6)(p12.3p12.1)

del(6)(q13q16.2)

del(6)(q26q27)

del(7)(p14.1p11.2)

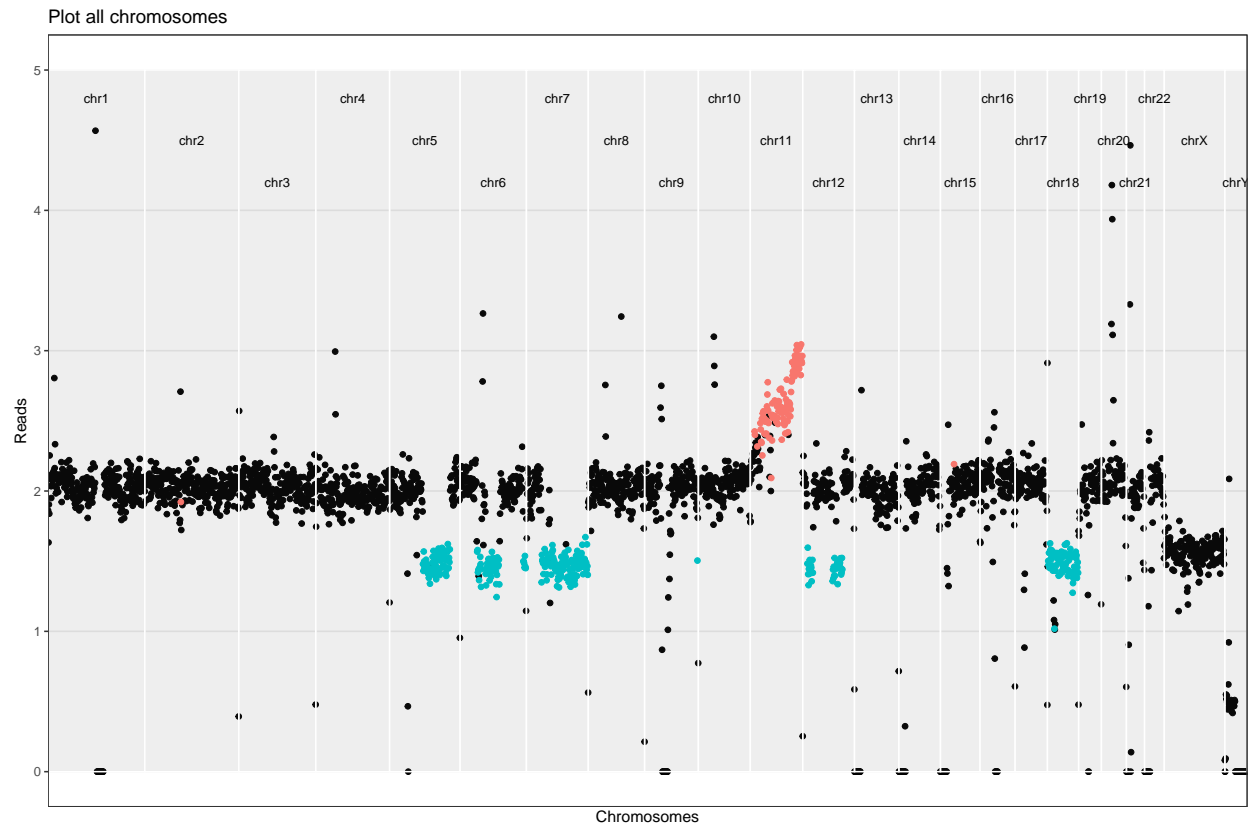
del(7)(q11.21q36.3)

**Genes affected by CNVs (Bailey et al. (2018): Comprehensive Characterization of Cancer Driver Genes and Mutations. In: Cell 173 (2), 371-385.e18. DOI: 10.1016/j.cell.2018.02.060.; Papaemmanuil et al. (2016): Genomic Classification and Prognosis in Acute Myeloid Leukemia. In: The New England journal of medicine 374 (23), S. 2209–2221. DOI: 10.1056/NEJMoa1516192.):**

	id	sym	bol chr	sta	rt end	abe	rration
16825	ENSG00000145715	RASA1	chr5	87267888	87391931	del	
17123	ENSG00000134982	APC	chr5	112707498	112846239	del	
17886	ENSG00000182578	CSF1R	chr5	150053291	150113372	del	
17889	ENSG00000113721	PDGFRB	chr5	150113839	150155872	del	
20143	ENSG00000156508	EEF1A1	chr6	73515750	73523797	del	
22481	ENSG00000146648	EGFR	chr7	55019017	55211628	del	

id	sym	bol chr	sta	rt end	abe	rration
22928	ENSG00000263001	GTF2I	chr7	74650231	74760692	del
23074	ENSG00000019991	HGF	chr7	81699010	81770438	del
23552	ENSG00000105851	PIK3CG	chr7	106865278	106908980	del
23659	ENSG00000105976	MET	chr7	116672196	116798386	del
23865	ENSG00000128602	SMO	chr7	129188633	129213545	del
24082	ENSG00000157764	BRAF	chr7	140719327	140924928	del
24217	ENSG00000197993	KEL	chr7	142941114	142962363	del
24328	ENSG00000055130	CUL1	chr7	148697914	148801110	del
24329	ENSG00000106462	EZH2	chr7	148807383	148884321	del
24436	ENSG00000106615	RHEB	chr7	151466012	151520120	del
24449	ENSG00000055609	KMT2C	chr7	152134922	152436005	del
31674	ENSG00000148400	NOTCH1	chr9	136494433	136546048	del
32621	ENSG00000184937	WT1	chr11	32387775	32435885	amp
33142	ENSG00000198561	CTNND1	chr11	57753243	57819546	amp
33764	ENSG00000110092	CCND1	chr11	69641087	69654474	amp
33855	ENSG00000165458	INPPL1	chr11	72223701	72239147	amp
34405	ENSG00000082175	PGR	chr11	101029624	101130524	amp
34521	ENSG00000149311	ATM	chr11	108222484	108369102	amp
34754	ENSG00000118058	KMT2A	chr11	118436464	118526832	amp
37950	ENSG00000111276	CDKN1B	chr12	12715058	12722369	del
37989	ENSG00000171681	ATF7IP	chr12	14365632	14502935	del
38141	ENSG00000133703	KRAS	chr12	25204789	25250936	del
52137	ENSG00000177426	TGIF1	chr18	3411608	3459978	del
52741	ENSG00000152217	SETBP1	chr18	44680173	45068510	del
52799	ENSG00000175387	SMAD2	chr18	47808957	47931146	del
52876	ENSG00000141646	SMAD4	chr18	51028394	51085045	del
53051	ENSG00000171791	BCL2	chr18	63123346	63320128	del

## Karyotype overview:



Chromosome Plots:

