

The LMO family of LIM-domain only genes:  
oncogenes and dictators of lineage

Gene	Location	Leukaemia translocation	Leukaemia type	Other cancers	Gene knock out phenotype
LMO1	11p15	t(11;4)p15;q11)	T-ALL	Neuroblastoma	CNS
LMO2	11p13	t(11;4)(p13;q11) t(7;11)(q35;p13)	T-ALL	DLBCL Breast	Haematopoiesis
LMO3	12p12	t(7;12)(q35;p12)	T-ALL	Neuroblastoma	CNS
LMO4	1p22.3	nk	nk	Neuroblastoma Breast	Neural tube development