















Oncogene Name	Protein Produced	Oncogene Origin	Common Cancer Type*
1. Growth factors	Protein Produced	Oncogene Origin	Common Cancer Type-
1. Growth factors	PDGE	Viral	
COL1A1-PDGFB	PDGF	Viral Translocation	Sarcomas (monkeys)
	PUGF	Iransiocation	Fibrosarcoma
2. Receptors			
v-erb-b TRK	Epidermal growth factor receptor	Viral	Leukemia (chickens)
	Nerve growth factor receptor	DNA rearrangement	Thyroid
ERBB2	Epidermal growth factor receptor 2	Amplification	Breast
v-mpl	Thrombopoietin receptor	Viral	Leukemia (mice)
3. Plasma membrane 0			
KRAS	Ras	Point mutation	Pancreas, colon, lung, others
HRAS	Ras	Point mutation	Bladder
NRAS	Ras	Point mutation	Leukemias
4. Nonreceptor protein			
BRAF	Raf kinase	Point mutation	Melanoma
v-src	Src kinase	Viral	Sarcomas (chickens)
SRC	Src kinase	DNA rearrangement	Colon
TELJAK2	Jak kinase	Translocation	Leukemias
BCR-ABL	Abl kinase	Translocation	Chronic myelogenous leukemi
5. Transcription factors			
MYC	Myc	Translocation	Burkitt lymphoma
MYCL	Myc	Amplification	Small cell lung cancer
c-myc	Myc	Insertional mutagenesis	Leukemia (chickens)
vylun	Jun	Viral	Sarcomas (chickens)
v-fos	Fos	Viral	Bone (mice)
6. Cell cycle or apoptor	sis regulators		
CYCD1	Cyclin	Amplification, translocation	Breast, lymphoma
CDK4	Cdk	Amplification	Sarcomas, glioblastoma
BCL2	Bcl-2	Translocation	Non-Hodgkins lymphoma
MDM2	Mdm2	Amplification	Sarcomas, lung, breast, others













