	Aggressive-stromal (S1)	Aggressive-stemness (S2)	Indolent-liver-Wnt (S3-1)	Indolent-non-liver-Wnt (S3-2)
Subtype	Aggressive-stromal (S1)	Aggressive-stemness (S2)	Indolent-liver-Wnt (S3-1)	Indolent-non-liver-Wnt (S3-2)
DNA mutations	TP53		CTNNB1	
Stemness markers		EPCAM		
Molecular pathways	Canonical Wnt		Liver-specific Wnt	
	TGF-β, IL2/6, IFN, TNF-α/NF-κB, MET ↑	SHH ↑, IFN ↓	Xenobiotic, bile acid, fatty acid metabolism, adipogenesis	
Histology	Less differentiated		More differentiated	
Tumor marker		AFP, GPC3		
Clinical outcome	High recurrence		Low recurrence	
	Poor survival		Good survival	

Figure S2: An overview of how HCC samples are classified into one of three subtypes based upon a variety of histological, clinical, and genetic data. Genetic data is generated through RNA-seq of the HCC samples.