**TDI major ver­­­­­sions**

**TDIC\_01\_CPU**

---- This is TDI CPU version. Tumor posterior scores are calculated based on whether or not the cancer type of the tumor is the same with the cancer type of input tumor

**TDIC\_01\_Cuda**

---- This is TDI GPU version. Tumor posterior scores are calculated based on whether or not the cancer type of the tumor is the same with the cancer type of input tumor

**TDIC\_01\_CPU\_Tumors**

---- This CPU version which runs TDI with tumor information input by customer. Tumor posterior scores are calculated based on whether or not the cancer type of the tumor is the same with the cancer type of input tumor

**TDIC\_01\_Cuda\_Tumors**

---- This GPU version which runs TDI with tumor information input by customer. Tumor posterior scores are calculated based on whether or not the cancer type of the tumor is the same with the cancer type of input tumor

**TDIC\_CancerType\_CPU**

---- This is the TDI CPU version. Number of cancer types is dynamically obtained at run time

**TDIC\_23\_Cuda**

---- This the TDI GPU version. Number of cancer types is predefined in the code

**TDIC\_CancerType\_CPU\_Tumors**

---- This CPU version which runs TDI with tumor information input by customer. Number of cancer types is dynamically obtained.

**TDIC\_23\_Cuda\_Tumors**

---- This is GPU vision which runs TDI with tumor information input by customer. Number of cancer types is predefined

**TDIC\_23\_Cuda\_MultiDrivers**

---- This version modified from basic Cuda version. It has 3 global drivers. Number of cancer types is predefined.

**TDIC\_GenerateGlobalDrive**r.

---- This program generate TDI global drivers from Gt and Ge matrixes.

**Other versions**

**TDIC\_23\_CPU**

---- This is TDI CPU version. Number of cancer types is predefined in the code.

**TDIC\_CancerType\_Cuda**

---- This is TDI GPU version. Number of cancer types is dynamically obtained at running time.

**TDIC\_CancerType\_CPU\_Tumor**

---- This is the CPU version which runs TDI with tumor information input by customer. Number of cancer types is dynamically obtained from code. The difference between this version and TDIC\_CancerType\_CPU\_Tumors is this one can only runs one tumor per one execution.

**TDIC\_CancerType\_CPU\_Tumor\_MultiDrivers**

---- This version modified from TDI-CancerType\_CPU\_Tumor. The difference is there are three gloable drivers instead of one.