

**Set 1: Adeno – ADCA (-1/-1s) -- Constructed 9/6/2007**

The Adeno TMA set consisting of up to 140 unique individuals with adenocarcinoma was created using a set of 1 block (432 cores of 0.6mm diameter per block). Up to three cores from each subject along with control tissue (such as liver, placenta, paraffin, tonsil, etc.) cores were placed on the TMA using a random layout. Each of these arrays also had a sister array constructed (-1/-1s).

**Set 2: Islet Cell – Islet Cell -- Constructed 6/1/2006**

The Islet Cell TMA set consisting of up to 46 unique individuals with Pancreatic Islet Cell tumors was created using 1 block (240 cores of 0.6mm diameter per block). Up to three cores per subject along with control tissue (such as liver, placenta, paraffin, tonsil, etc.) cores were placed on the TMA using a random layout. No sister array was constructed.

**Set 4: PanINs – PANIN (3-4) -- Constructed 6/11/2012**

The PanIN TMA set consisting of up to 70 unique individuals with adjacent pancreatic intraepithelial neoplasia (PanIN) in Adenocarcinoma setting was created using a set of 2 blocks (60 cores of 2.0mm diameter per block). Up to three cores per subject along with control tissue (such as liver, placenta, paraffin, tonsil, etc.) cores were placed on the TMA using a random layout. No sister array was constructed.

**Set 5: Adeno treated with Gem – GEM (1-10 a/b) -- Constructed 11/18/2011-3/26/2012**

The GEM TMA set consisting of up to 221 unique individuals with adenocarcinoma treated with gemcitabine was created using a set of 10 blocks (60 cores of 2.0mm diameter per block). Up to three cores (2 cores of primary tumor and if available, 1 core of metastatic lymph node) per subject along with control tissue (such as liver, placenta, paraffin, tonsil, etc.) cores were placed on the TMA using a random layout. Each of these arrays also had a sister array constructed (a/b).

**Set 6: IPMN – IPMN (1-8 a/b) -- Constructed 1/6/2016**

The IPMN TMA set consisting of up to 140 unique individuals with intraductal papillary mucinous neoplasm (IPMN) was created using a set of 8 blocks (60 cores of 2.0mm diameter per block). Up to three cores per subject along with control tissue (such as liver, placenta, paraffin, tonsil, etc.) cores were placed on the TMA using a random layout. Each of these arrays also had a sister array constructed (a/b).

**Set 7: Treatment Naïve Adenocarcinoma – TX Naive (1-18 a/b) -- Constructed 4/22/2019**

TX Naive TMA set consisting of up to 346 unique individuals with Adenocarcinoma was created using a set of 18 blocks (60 cores of 2.0mm diameter per block). Up to three cores per subject along with control tissue from 28 individuals with other pancreas conditions (pancreatitis, serous cystadenoma, normal pancreas) cores were placed on the TMA using a random layout. Each of these arrays also had a sister array constructed (a/b).

**Tissue Microarray (TMA) Set Summary: MAY 28, 2019**

	Set 1: Adeno	Set 2: Islet Cell	Set 4: PanINs	Set 5: Adeno treated with Gem	Set 6: IPMN	Set 7: TX Naïve
<b>Subjects</b>	140	46	70	221	140	346
<b>Patient Diagnosis*</b>	Adenocarcinoma	Islet Cell	Pan IN adjacent to Adenocarcinoma	Adenocarcinoma	IPMN	Adenocarcinoma
<b>TMA Name</b>	ADCA TMA	Islet Cell	PanIN	GEM	IPMN	TX Naïve
<b>Blocks in Set</b>	1	1	2	10	8	16
<b>Block Number</b>	1		3-4	1-10	1-8	1-18
<b>Sister Array</b>	(-1/-1s)	None	None	(a/b)	(a/b)	(a/b)
<b>Block Layout</b>	16 (A-P) x 27	12 (A-L) x 20	6 (A-F) x 10	6 (A-F) x 10	6 (A-F) x 10	6 (A-F) x 10
<b>Core Diameter</b>	0.6 mm	0.6 mm	2.0 mm	2.0 mm	2.0 mm	2.0 mm
<b>Cores per Block</b>	432	240	60	60	60	60
<b>Cores per Subject</b>	Up to 3	Up to 3	Up to 3	Up to 3	Up to 3	Up to 3
<b>Control Tissues</b>						
<b>Liver</b>	3	3	2	10	8	
<b>Paraffin</b>	0	12	2	16	18	
<b>Placenta</b>	3	3	2	10	8	
<b>Tonsil</b>	3	3	4	19	16	
<b>Chronic Pancreatitis</b>						18
<b>Serous Cystadenoma</b>						8
<b>Normal Pancreas (No Cancer)</b>						2

\* See page 2 of TMA Subject summary table for complete details