

## List of Available TMAs in the PRN

TMA	Description	No. Patients
RPCI_BrainCa01	Brain cancer. 2 cores of tumor per patient. Cases from 2001-2003.	10
RPCI_BrCa03	Triple negative breast cancer. 2 Tumor cores and 2 normal cores per case. Cases from 1998-2005.	23
RPCI_BrCa04	Triple negative breast cancer. 2 Tumor cores and 2 normal cores per case. Cases from 2000-2004.	27
RPCI_BrCa05	Triple negative breast cancer. 2 tumor cores and 2 normal cores per case. Cases from 2002-2004.	24
RPCI_BrCa06	Triple negative breast cancer. 2 tumor cores and 2 normal cores per case. Cases from 2003-2005.	30
RPCI_BrCa07	Triple negative breast cancer. 13 cases have 2 tumor cores and 2 normal cores, the remaining 17 cases have 2 tumor cores only.	30
RPCI_BrCa08	Triple negative breast cancer. 2 Tumor cores per case. Cases from 2001-2006.	43
RPCI_BrCa15	Breast cancer with oncotype results available. No matching normal tissue included. Cases from 2005-2006.	27
RPCI_BrCa16	HER-2 positive breast cancer. 2 cores per case. Cases from 1998-2006.	40
RPCI_BrCa17	HER-2 positive breast cancer. 2 cores per case. Cases from 1998-2005.	46
RPCI_BrCa18	ER/PR ligand binding TMA. Consists of breast tissue with associated ER/PR ligand binding data. 2 cores per case. Cases from 1994-2000.	44
RPCI_BrCa19	HER-2 positive breast cancer. 2 tumor cores per case. Cases from 1996-2005.	44
RPCI_BrCa20	HER-2 positive breast cancer. 2 tumor cores per case. Cases from 1999-2004.	46
RPCI_BrCa21	HER-2 positive and HER-2 negative breast cancer. One core per case. Cases from 2007-2008.	30
RPCI_BrCa24	Invasive ductal breast cancer, Stage 1, ER positive, Her 2 negative. 3 primary cores per case. Matching normal cores are not included. Cases from 1996-2007.	45
RPCI_BrCa25	Invasive ductal breast cancer, Stage 1, ER positive, Her 2 negative. 3 cores per case. Matching normal cores are not included. Cases from 1997-2008.	58
RPCI_BrCa26	Invasive ductal breast cancer, Stage 1, ER positive, Her 2 negative. 3 primary cores per case. Matching normal cores are not included. Cases from 1997-2006.	40

RPCI_BrCa27	Invasive ductal breast cancer, Stage 2 or 3, ER positive, Her 2 negative. 3 cores per case. Matching normal cores are not included. Cases from 1996-2008.	17
RPCI_BrCa28	Invasive ductal breast cancer, Stage 2 or 3, ER positive, Her 2 negative. 3 cores per case. Matching normal cores are not included. Cases from 1998-2008.	35
RPCI_BrCa29	Invasive ductal breast cancer, Stage 2 or 3, ER positive, Her 2 negative. 3 cores per case. Matching normal cores are not included. Cases from 1996-2008.	76
RPCI_BrCa31	Invasive lobular breast cancer. 4 tumor cores per case. Matching normal cores are not included. Cases from 1997-2007.	20
RPCI_BrCa32	Invasive lobular breast cancer. 4 tumor cores per case. Matching normal cores are not included. Cases from 1998-2007.	23
RPCI_BrCa33	Invasive lobular breast cancer. 4 tumor cores per case. Matching normal cores are not included. Cases from 1998-2006.	37
RPCI_BrCa34	Invasive ductal breast tumor. Variable stage, ER and HER-2 status. 3 tumor cores per case. Matching normal cores are not included. Cases from 1995-2007.	32
RPCI_BrCa35	Invasive ductal breast tumor. Variable stage, ER and HER-2 status. 3 tumor cores per case. Matching normal cores are not included. Cases from 1997-2007.	58
RPCI_BrCa36	Invasive ductal breast tumor. Variable stage, ER and HER-2 status. 3 tumor cores per case. Matching normal cores are not included. Cases from 1995-2008.	53
RPCI_BrCa38	Primary and matching metastatic breast cancer. Each patient included in the TMA has 3 tumor cores and 3 metastatic lymph node cores. Cases from 1995-2008.	45
RPCI_BrCa39	Primary and matching metastatic breast cancer. Each patient included in the TMA has 3 tumor cores and 3 metastatic lymph node cores. Cases from 1996-2008.	41
RPCI_BrCa40	Primary and matching metastatic breast cancer. Each patient included in the TMA has 3 tumor cores and 3 metastatic lymph node cores. Cases from 1996-2007.	38
RPCI_BrCa41	Invasive ductal breast cancer. Stage 1, ER positive and HER-2 negative. 3 tumor cores per case. Matching normal cores are not included. Cases from 2004-2008.	38
RPCI_BrCa42	Invasive ductal breast cancer. Stage 1, ER positive and HER-2 negative. 3 tumor cores per case. Matching normal cores are not included. Cases from 2004-2007.	39
RPCI_BrCa43	Invasive ductal breast cancer. Stage 2 or 3, ER positive and HER-2 negative. 3 tumor cores per case. Matching normal cores are not included. Cases from 2004-2008.	38
RPCI_BrCa44	Invasive ductal breast cancer. Stage 2 or 3, ER and HER-2 data varies. 3 tumor cores per case. Matching normal	55

	cores are not included. Cases from 2004-2006.	
RPCI_BrCa45	Primary and matching metastatic breast cancer. Have ER and HER-2 data recorded. 3 tumor cores and 3 metastatic lymph node cores per patient. Matching normal cores are not included. Cases from 2003-2008.	29
RPCI_BrCa46	Primary and matching metastatic invasive ductal breast cancer. Not stage 1, ER positive and HER-2 negative. 3 tumor cores per case. Matching normal cores are not included. Cases from 2004-2008.	30
RPCI_BrCa47	Invasive ductal breast cancer. Stage 1, ER positive and HER-2 negative. 3 cores per case. Matching normal cores are not included. Cases from 2004-2008.	23
RPCI_BrCa48	Invasive ductal breast cancer. Stage varies, ER Negative and HER-2 negative. 3 tumor cores per case. Matching normal cores are not included. Cases from 2004-2008.	16
RPCI_BrCa49	All cases included have breast primary tumor and matching metastatic lymph node cores included. 3 tumor cores and 3 metastatic cores per case. Matching normal cores are not included. Cases from 2005-2008.	8
RPCI_BrCa50	Invasive lobular breast cancer. Stage, ER and HER-2 data varies. 3 tumor cores per case. Matching normal cores are not included. Cases from 2004-2008.	10
RPCI_BrCa51_a,b	HER-2 pleomorphic invasive lobular breast cancer. 4 cores per case. Matching normal cores are not included. Cases from 1995-2009.	35
RPCI_BrCa53_a,b,c	HER-2 Breast cancer TMA. 3 cores per case. Matching normal cores are not included. Cases from 1996-2009.	129
RPCI_BrCa55_a,b,c	Breast cancer patients with DBBR information. 3 cores per case. Matching normal cores are not included. Cases from 2006-2010.	212
RPCI_BrCa56_a,b,c	Triple negative breast cancer. 3 cores per case. Matching normal cores are not included. Cases from 1995-2011.	164
RPCI_BrCa57_a,b,c	African American breast cancer patients. 3 cores per case. Matching normal cores are not included. Cases from 1996-2010.	112
RPCI_BrCa58_a,b,c	Neoadjuvant breast tumors. 3 cores per case. Matching normal cores are not included. Cases from 1995-2009.	117
RPCI_BrCa59_a,b,c	Tamoxifen resistant breast cancer. 3 cores per case. Matching normal cores are not included. Cases from 1996-2009.	71
RPCI_BrCa60_a,b,c	TCGA qualified breast tumors. 3 cores per case. Matching normal cores are not included. Cases from 2003-2010.	75

RPCI_BrCa61_a,b,c	Breast cancer, DCIS. 3 cores per case. Matching normal cores are not included. Cases from 1994-2008.	178
RPCI_BrCa66	Breast cancer, HER2 positive. Matching normal cores are not included. Cases from 2010-2012.	72
RPCI_GICa01	Invasive colorectal cancer, primarily adenocarcinoma. 3 primary cores per case. Matching normal cores are not included. Cases from 1993-2005.	33
RPCI_GICa02	Signet ring cell carcinoma, primarily gastric (stomach) in origin. Matching normal cores are not included. Cases from 1996-2006.	33
RPCI_GICa03_a,b,c	Invasive colorectal cancer, primarily adenocarcinoma. 3 primary cores per case. 24 cases have matching normal cores. Cases from 1993-2006.	89
RPCI_GICa04_a,b,c	Invasive colorectal cancer, primarily adenocarcinoma. 3 primary cores per case. Matching normal cores are not included. Cases from 1998-2006.	11
RPCI_GICa05	Pancreatic ductal adenocarcinoma. Includes primary, normal, and metastatic tissue. Cases from 1996-2006.	7
RPCI_GICa06	Pancreatic ductal adenocarcinoma. Includes primary, normal, and metastatic tissue. Cases from 2001-2007.	11
RPCI_GICa07	Pancreatic ductal adenocarcinoma. Includes primary, normal, and metastatic tissue. Cases from 2000-2006.	7
RPCI_GICa08	Pancreatic ductal adenocarcinoma. Includes primary, normal, and metastatic tissue. Cases from 2001-2007.	9
RPCI_GICa09	Pancreatic ductal adenocarcinoma. Includes primary and normal tissue. Cases from 2004-2007.	7
RPCI_GICa10	Pancreatic ductal adenocarcinoma. Includes primary, normal, and metastatic tissue. Cases from 1999-2007.	10
RPCI_GICa11	Pancreatic ductal adenocarcinoma. Includes primary, normal, and metastatic tissue. Cases from 2001-2007.	12
RPCI_GICa12	Pancreatic ductal adenocarcinoma. Includes primary, normal, and metastatic tissue. Cases from 2001-2007.	7
RPCI_GICa13	Hepatocellular carcinoma. 5 HCC cases. 3 tumor cores and 3 matching normal cores per case. Cases from 1996-2001.	5
RPCI_GICa14	Invasive colorectal cancer, primarily adenocarcinoma. 3 tumor cores per case. Cases from 2004-2009.	92
RPCI_GICa15	Invasive colorectal cancer, primarily adenocarcinoma. 3 tumor cores and 3 metastatic cores per case. Cases from 2002-2009.	26
RPCI_GICa18	Pancreatic ductal adenocarcinoma. Includes primary, normal, and metastatic tissue. Cases from 2000-2002.	6
RPCI_GICa19	Pancreatic ductal adenocarcinoma. Includes primary, normal, and metastatic tissue. Cases from 2002-2004.	6

RPCI_GICa20	Pancreatic ductal adenocarcinoma. Includes primary, normal, and metastatic tissue. Cases from 2004-2007.	6
RPCI_GICa21	Pancreatic ductal adenocarcinoma. Includes primary, normal, and metastatic tissue. Cases from 2007-2009.	6
RPCI_GICa22	Pancreatic ductal adenocarcinoma. Includes primary, normal, and metastatic tissue. Cases from 1999-2003.	8
RPCI_GICa23	Pancreatic ductal adenocarcinoma. Includes primary and normal tissue. Cases from 2002-2007.	8
RPCI_GICa24	Pancreatic ductal adenocarcinoma. Includes primary and normal tissue. Cases from 2007-2009.	3
RPCI_GICa25	Pancreatic. Cores of stroma only. Cases from 2000-2008.	21
RPCI_GICa26	Pancreatic. Cores of stroma only. Cases from 1999-2009.	21
RPCI_GICa29	GI stromal tumor. 3 tumor cores per case. Cases from 1995-2011.	35
RPCI_GICa30	Gastric cancer. Tumor, matching normal, and metastatic cores if available. Cases from 2002-2012.	33
RPCI_GICa31	Gastric cancer. Tumor, matching normal, and metastatic cores if available. Cases from 2002-2012.	35
RPCI_GICa32_a,b,c	Colorectal tumors staged T3. 3 primary and 3 matching normal cores per case. Patients do not have mets. Cases from 1993-2011.	104
RPCI_GICa33_a,b,c	Colorectal tumors staged T3. Most cases have 3 primary and 3 matching normal cores. Some patients have mets (mets in separate TMA – GICa34). Cases from 1993-2011.	98
RPCI_GICa34	Colorectal metastatic disease. 3 metastatic cores per patient for patients included in GICa33. Cases from 1993-2011.	48
RPCI_GICa35_a,b,c	Colorectal tumors staged T1 or T2. 3 tumor and 3 matching normal cores per case. Cases from 1993-2011.	96
RPCI_GUCa01_a,b	Germ cell tumor, primarily gonadal in origin. Three cores taken per block (a and b blocks are not duplicates). Cases from 1995-2007.	40
RPCI_GUCa02_a,b,c	Renal cell carcinoma, primarily clear cell type. Tumor and matching normal cores for most cases. Cases from 1997-2007.	120
RPCI_GUCa03_a,b,c	Renal cell carcinoma, primarily clear cell type. Tumor and matching normal cores for most cases. Cases from 1996-2007.	113
RPCI_GUCa04_a,b,c	Renal cell carcinoma, primarily clear cell type, with metastatic cores represented for all cases. Both metastatic and primary for a subset of cases. Cases from 1993-2009.	75

RPCI_GUCa06_a,b,c	Bladder cancer, various histologies. 3 cores per case. Matching normal cores were not included. Cases from 1995-2010.	158
RPCI_GUCa07_a,b,c	Bladder urothelial carcinoma, high grade. 3 cores per case. Matching normal cores were not included. Cases from 1995-2010.	109
RPCI_GUCa08	Bladder invasive urothelial carcinoma. 3 cores per case. Matching normal cores were not included. Cases from 1995-2011.	68
RPCI_GUCa09	Bladder, low grade. 3 tumor cores per case. Matching normal cores were not included. Cases from 1995-2011.	54
RPCI_GUCa10	Bladder. 3 cores per block. Matching normal cores are not included. Cases from 1996-2011.	15
RPCI_GUCa15	Collecting duct tumor. 3 tumor cores per case. Most cases also have 3 matching normal cores. Cases from 1995-2012.	6
RPCI_GYNCa06_a,b,c	Ovarian cancer, primarily serous type. 3 tumor cores per case. Cases from 1995-2007.	264
RPCI_GYNCa07_a,b,c	Ovarian cancer, primarily serous type and includes cores from the peritoneum. Cases from 2000-2005.	149
RPCI_GYNCa08_a,b,c	Ovarian cancer, primarily serous type and includes cores from the peritoneum. Cases from 1995-2007.	139
RPCI_GYNCa09	Endometrial cancer; half of the cases are endometrioid and half are non-endometrioid. 3 tumor cores per case. Matching normal cores not included. Cases from 1992-2011.	52
RPCI_HemOncCa04	Diffuse large B-cell lymphoma. 3 cores per case. Cases from 2000-2007.	42
RPCI_HemOncCa05	Diffuse large B-cell lymphoma. 3 cores per case. Cases from 2001-2007.	17
RPCI_HNCa01_a,b,c,d	Squamous cell carcinoma. Primary, metastatic, and recurrent tissue. Matching normal tissue not included. Cases from 1992-2005.	169
RPCI_HNCa02	Thyroid tissue. Primary (nodular hyperplasia, adenomatoid nodule, and follicular adenoma) and normal thyroid cores. Cases from 2003-2007.	47
RPCI_HNCa03	Thyroid tissue. Follicular carcinoma and papillary carcinoma. 3 tumor cores per case. Cases from 1998-2007.	35
RPCI_HNCa04	Thyroid tissue, papillary carcinoma. 3 tumor cores per case. Cases from 2005-2006.	31
RPCI_HNCa05	Thyroid tissue. Papillary carcinoma, insular carcinoma, anaplastic carcinoma, medullary carcinoma. 3 tumor cores per case. Cases from 1999-2006.	36

RPCI_HNCa06_a,b,c,d	Squamous cell carcinoma. Primary, metastatic, and recurrent tissue. Matching normal tissue not included. Cases from 1993-2007.	205
RPCI_HNCa07_a,b,c,d	Squamous cell carcinoma. Primary, metastatic, and recurrent tissue. Matching normal tissue not included. Cases from 1997-2007.	12
RPCI_HNCa08	Head and neck. Tumors from trachea, lung, maxilla, cervical LN, parotid, mandible, nasopharynx, and bronchus. 3 tumor cores per case. Cases from 2002-2010.	20
RPCI_LungCa03	Lung, stage 1 tumor. 9 cores per case (3 central, 3 peripheral, 3 normal). Cases from 1994-2000.	29
RPCI_LungCa04	Lung, stage 1 tumor. 9 cores per case (3 central, 3 peripheral, 3 normal). Cases from 1993-1999.	29
RPCI_LungCa05_a,b,c	Lung. Tumor and matching normal cores included. All cases in this TMA have DNA in the RPCI biobank. Cases from 1992-2007.	83
RPCI_LungCa07_b	Bronchoalveolar lung. 3 tumor and 3 matching normal cores per case. Cases from 1994-2008.	30
RPCI_LungCa08_a,b,c,d,e,f	Lung cancer, stage 1. Squamous cell carcinoma and adeno-carcinoma. 1 tumor and 1 matching normal core per case in 6 blocks. Cases from 1993-2009.	74
RPCI_LungCa09_a,b,c,d,e,f	Lung cancer, stage 1. Squamous cell carcinoma and adeno-carcinoma. 1 tumor and 1 matching normal core per case in 6 blocks. Cases from 1994-2007.	61
RPCI_LungCa10_a,b,c	Lung cancer, stage 1. Squamous cell carcinoma and adeno-carcinoma. 1 tumor and 1 matching normal core per case in 3 blocks. Cases from 1993-2007.	36
RPCI_LungCa11	All cases have frozen tissue or DNA/RNA in the PRN bank and blood in the DBBR bank. 4 tumor cores per case. Cases from 1994-2011.	70
RPCI_LungCa13	Squamous cell carcinoma. 3 tumor cores per case. Cases from 1993-2009.	22
RPCI_LungCa14	Bronchoalveolar lung. 3 tumor and 3 matching normal cores per case. Cases from 1994-2010.	33
RPCI_LungCa15_a,b,c	Squamous cell carcinoma. 3 tumor cores per case. Normal cores are included in LungCa16. Cases from 1995-2011.	248
RPCI_LungNormal16_a,b,c	Matching normal lung to LungCa15. 3 normal cores per case. Cases from 1995-2011.	248
RPCI_LungCa17_a,b,c	Lung cancer. Patients with no smoking history. 1 tumor and 1 matching normal core per case. Cases from 1994-2012.	86
RPCI_MelCa3_a,b,c	Metastatic melanoma, various tissues. 3 tumor cores per case. Cases from 2007-2011.	87

RPCI_MultiCa11_a,b,c	Multi-tumor TMA. 23 different tissue types are included. 3 cores per case.	210
RPCI_NetCa01	Neuroendocrine, small cell carcinoma. 3 cores per case. Matching normal cases were not included. Cases from 1998-2010.	24
RPCI_NetCa02_a,b,c	Neuroendocrine. Some cases with primary and mets, some primary only, some mets only. Matching normal cases were not included. Cases from 1996-2010. Note that clinical data is limited for this TMA (grade and staging data are largely absent).	117
RPCI_NetCa03	Large cell neuroendocrine carcinoma. 3 cores per case. Matching normal cases were not included. Cases from 1996-2010.	26
RPCI_NeuroCa01	Oligodendroglioma and glioblastoma cases. Two tumor cores per case. Matching normal cores were not included. Cases from 2001-2003.	10
RPCI_Normal03	1 normal core per case. Cases from 2001-2007.	58
RPCI_Normal05	5 normal cores per case. Cases from 2001-2006.	44
RPCI_PrCa03_a,b,c	Prostatic adenocarcinoma. Tumor and normal cores. Cases from 1993-2005.	119
RPCI_PrCa04_a,b,c	Prostatic adenocarcinoma. Tumor and normal cores. Cases from 1993-2005.	125
RPCI_PrCa05_a,b,c	Prostatic adenocarcinoma. Tumor and normal cores. Cases from 1993-2005.	129
RPCI_PrCa07_a,b,c	Prostatic adenocarcinoma. Tumor and normal cores. Cases from 1995-2005.	78
RPCI_PrCa10_a,b,c	Benign prostatic hyperplasia, androgen independent, and androgen dependent cases. 3 cores per case. RPCI patients that complement the UNC 36-36-36 TMA cohort. Cases from 1995-2010.	26
RPCI_PrCa11	Metastatic prostate adenocarcinoma. 3 metastatic cores per case. Primary cores are not included. Cases from 1996-2007.	9
RPCI_PrCa18_a,b,c	African American Prostate cancer. Tumor and normal cores included. Matched for age, gleason grade and stage to PrCa19. Cases from 1996-2011.	95
RPCI_PrCa19_a,b,c	Caucasian prostate cancer cases. Tumor and normal cores included. Matched for age, gleason grade and stage to PrCa18. Cases from 1993-2005.	93
RPCI_PrCa22_a,b,c	Prostatic adenocarcinoma. Rebuild of RPCI_PrCa2 (now depleted). Tumor and normal cores. Cases from 1993-2005.	109
RPCI_PrCa24_a,b,c	Prostatic adenocarcinoma. Rebuild of RPCI_PrCa6 (now depleted). Tumor and normal cores. Cases from 1993-	134



	2005.	
RPCI_PrCa25	Benign prostatic hyperplasia, androgen independent, and androgen dependent cases. 3 cores per case. RPCI patients that complement the UNC 36-36-36 TMA cohort. Cases from 1995-2011.	41
RPCI_STCa01	Myxoid liposarcoma. 3 tumor cores per case. Matching normal cases were not included. Cases from 2001-2006.	11
RPCI_STCa02	Angiosarcoma. 2 tumor cores per case. Matching normal cases were not included. Cases from 1993-2006.	20
RPCI_STCa03	Ewing sarcoma. 3 cores per case. Matching normal cases were not included. Cases from 2002-2005.	3
RPCI_STCa04_a,b,c	Sarcoma of varying histological types. Matching normal cases were not included. Cases from 1993-2004.	140
RPCI_STNormal01	Hemangioma. 2 tumor cores per case. Cases from 2001-2007.	19