

**Supplementary Table S2.** Classification of 1,812 transplant biopsy cases according to diagnostic categories of tubulointerstitial disease

Tubulointerstitial disease entity	Total case No.	Pathologic diagnosis (no. of cases, %)
Interstitial fibrosis/tubular atrophy	971	Interstitial fibrosis/tubular atrophy (971)
Acute tubular necrosis	483	Acute tubular necrosis (483)
Virus infection	139	Polyomavirus (BK) nephropathy (134, 96.4), Cytomegalovirus infection (5, 3.6)
Infection associated tubulointerstitial disease	118	Pyelonephritis (116, 98.3), Tuberculosis (2, 1.7)
Other	65	Interstitial edema & inflammation (54, 83.1), Tubular microcalcification (4, 6.2), Oxalate nephropathy (3, 4.6), Nephrocalcinosis (2, 3.1), Focal interstitial capillaritis (1, 1.5), Focal subcapsular inflammation (1, 1.5)
Tubulointerstitial inflammation	35	Tubulointerstitial nephritis (35)
Ig deposition disease	1	Cast nephropathy (1)