

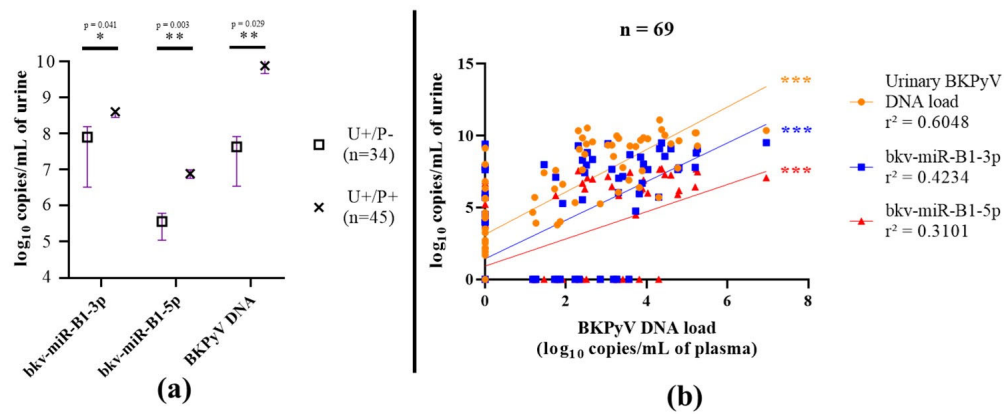


Figure S1. (a): Urine levels of bkV-miR-B1-3p, bkV-miR-B1-5p and BKPyV DNA when BKPyV DNA was also found in plasma (U+/P+) at the same time or not (U+/P-). (b): Correlation between the plasma BKPyV DNA load and the urine concentration of three BKPyV markers (DNA, bkV-miR-B1-3p and bkV-miR-B1-5p). *** indicates statistical significance with $p < 0.001$.

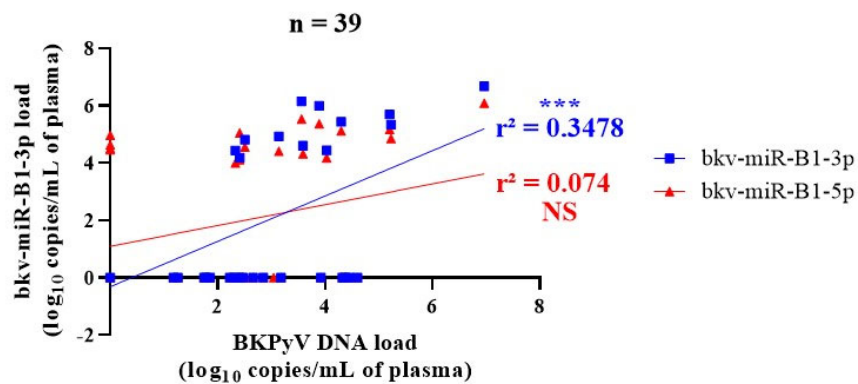


Figure S2. Correlation between the plasma BKPyV DNA load and the plasma concentration of bkV-miR-B1-3p or bkV-miR-B1-5p. *** indicates statistical significance with $p < 0.001$. NS: not significant.

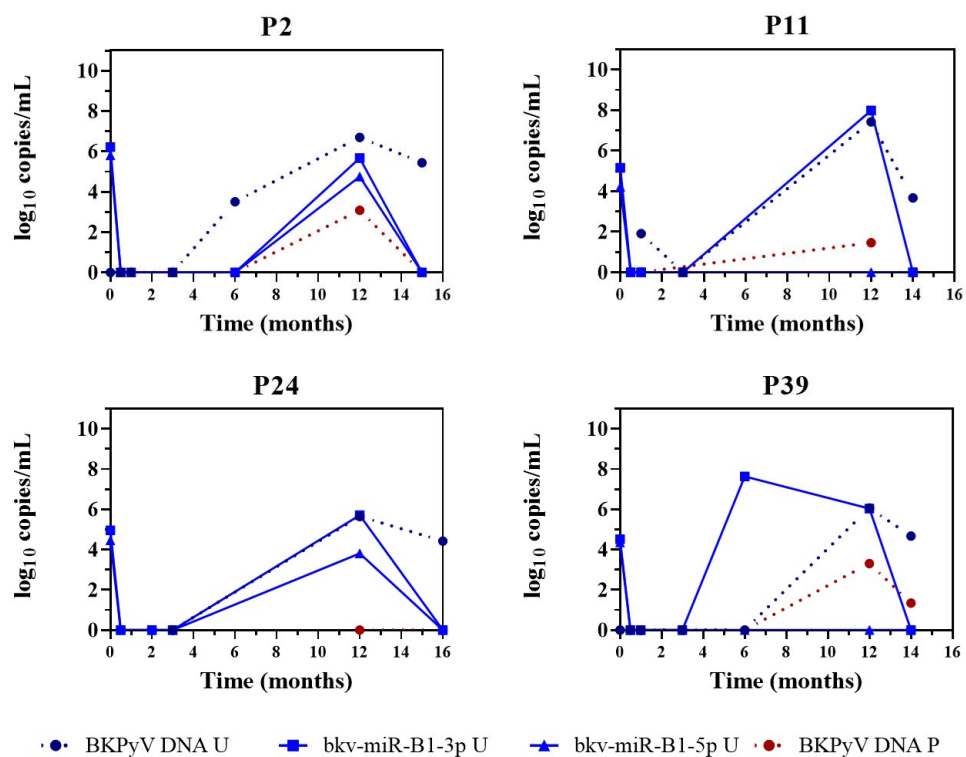


Figure S3. Changes over time in levels of BKPyV markers in urine (U; DNA, bkv-miR-B1-3p and bkv-miR-B1-5p) and plasma (P; DNA) for 4 KTRs who developed BKPyV replication 12 months post-transplantation.

		BKPyV marker		
		<i>bkv-miR-B1-3p</i>	<i>bkv-miR-B1-5p</i>	<i>BKPyV DNA</i>
Maximum sensitivity	Sensitivity	73,3 %	55,56 %	100 %
	Specificity	85,3 %	91,2 %	4,46
	Urine level (log copies/mL)	4,65	4,46	3,65
Maximum specificity	Sensitivity	6,67 %	28,9 %	51,1 %
	Specificity	100 %	100 %	100 %
	Urine level (log copies/mL)	9,42	6,88	9,18
Maximum likelihood ratio	Sensitivity	62,2 %	53,3 %	73,3 %
	Specificity	91,2 %	94,1 %	94,1 %
	Urine level (log copies/mL)	6,02	5,53	6,86

Table S1. Sensitivity and specificity analyses for urine levels of bkv-miR-B1-3p, bkv-miR-B1-5p and BKPyV DNA in KTRs with (patients) or without (controls) BKPyV DNAemia at the time of sampling.