

## HIV Tat Expression Vectors (Dr. Andrew Rice)

Reagent	Cat #	Vector	Description
GST-Tat 1 86R TK	2346	TK	Two exons; wild type expressed
GST-Tat 1 86R	2367	T	Two exons; wild type expressed
GST-Tat 1 86R P18IS	2365	T	Two exons; QF (EcoRI site) inserted between aa 18-19; transactivation negative
GST-Tat 1 86R C22G	2366	T	Two exons; C22→G; transactivation negative
GST-Tat 1 86R D2/36 TK	2345	TK	aa 2-26 deleted; transactivation negative
GST-Tat 1 72R	2364	T	One exon; wild type expressed
GST-Tat 1 72R P18IS	2363	T	One exon; QF (EcoRI site) inserted between aa 18-19; transactivation negative
GST-Tat 1 72R C22G	2362	T	One exon; C22→G; transactivation negative
GST-Tat 1 48D TK	2344	TK	Truncated after aa 48; wild type activation domain expressed
GST-Tat 1 48D	2359	T	Truncated after aa 48; wild type activation domain expressed
GST-Tat 1 48D P18IS	2358	T	Truncated after aa 48; non-functional activation domain expressed
GST-Tat 1 48D C22G	2361	T	Truncated after aa 48; non-functional activation domain expressed
GST-Tat 2 130R	2360	T	Two exons; wild type expressed
GST-Tat 2 99R TK	2347	TK	One exon; wild type expressed
GST-Tat 2 99R	2354	T	One exon; wild type expressed
GST-Tat 2 99R D8/33 TK	2348	TK	One exon; aa 8-33 deleted; reduced transactivation (may be unstable in mammalian cells)
GST-Tat 2 99R D8/33	2353	T	One exon; aa 8-33 deleted; reduced transactivation (may be unstable in mammalian cells)
GST-Tat 2 99R D8/47 TK	2349	TK	One exon; aa 8-47 deleted; transactivation negative (may be unstable in mammalian cells)
GST-Tat 2 99R D8/47	2352	T	One exon; aa 8-47 deleted; transactivation negative (may be unstable in mammalian cells)
GST-Tat 2 99R 8182A	2355	T	One exon; R81, 82→A; transactivation negative (nonfunctional RNA binding domain)
GST-Tat 2 99R 8384A	2356	T	One exon; R83, 84→A; transactivation negative (nonfunctional RNA binding domain)
GST-Tat 2 99R 8184A	2357	T	One exon; R81-84→A; transactivation negative (nonfunctional RNA binding domain)
GST-Tat 2 90D	2351	T	Truncated after aa 90; reduced transactivation
GST-Tat 2 84D	2350	T	Truncated after aa 84; transactivation negative