

TABLE 4

Summary of cosegregation of G6PD and HPRT in hybrid cell lines

Hybrid cell line	Genetic constitution	Segregation rates ( $\times 10^5$ )*			Percent cosegregation	
		HPRT- G6PD-	HPRT- G6PD+	HPRT+ G6PD-	G6PD with HPRT†	HPRT with G6PD‡
51YT211	$hprt^+ g6pd^+$	23.5	0.25	N.D.§	99	
	$hprt^B g6pd^T$	57.6	7.07	1.53	89	97
		129	13.8	4.65	90	97
43YHD31	$hprt^+ g6pd^+$					
	$hprt^- g6pd^-$	14.8	0.46	N.D.	97	
YY11	$hprt^+ g6pd^R$					
	$hprt^B g6pd^T$	33.7	0.320	N.D.	99	
9Y11	$hprt^A g6pd^+$					
	$hprt^B g6pd^T$	128	110	14.2		90

\* As determined by equation (8) of LURIA and DELBRUCK (1943).

Rate HPRT- G6PD-

† 
$$\frac{\text{Rate HPRT- G6PD-} + \text{Rate HPRT- G6PD+}}{\text{Rate HPRT- G6PD-}}$$
‡ 
$$\frac{\text{Rate HPRT- G6PD-} + \text{Rate HPRT+ G6PD-}}{\text{Rate HPRT- G6PD-}}$$

§ N.D., Not determined.