

表2 10株*Bt*菌株对小菜蛾幼虫的半致死浓度(LC50)生物测定

Table 2 The probit analysis of LC50 of 10 *Bt* strains' toxicity against susceptible *Plutella xylostella* (Lepidoptera)

供试菌株 Tested strain	起始浓度 Original concentration (ng/mL)	起始死亡率 Original death rate (%)	回归方程 Regression equation	斜率±标准误 Slope±SE	相关系数 Correlation coefficient	半致死浓度 LC50 (ng/mL)	95%置信限 95% confidential limit (ng/mL)	毒力指数* Toxicity index*
S2685-1	50	83.33	$y=-2.526+2.048x$	2.048±0.411	0.882	17.113	12.080~21.419	0.901
S2737-3	50	73.33	$y=-2.235+1.584x$	1.584±0.395	0.991	25.782	18.927~35.462	0.598
S2796-2	100	76.67	$y=-11.294+6.062x$	6.062±0.115	0.915	72.973	67.247~78.782	0.211
S2809-1	50	66.67	$y=-3.990+2.571x$	2.571±0.460	0.964	35.661	29.790~45.507	0.432
S2852-1	100	86.67	$y=-11.639+6.328x$	6.328±1.131	0.969	69.072	63.316~74.182	0.223
S2852-2	100	70.00	$y=-13.793+7.086x$	7.086±1.220	0.977	88.403	82.466~97.902	0.174
S2852-3	100	70.00	$y=-13.638+7.042x$	7.042±1.203	0.995	86.422	80.748~95.093	0.178
S2852-4	50	66.67	$y=-2.652+1.738x$	1.738±0.407	0.976	33.542	26.055~49.150	0.460
S2852-5	150	73.33	$y=-26.205+12.311x$	12.311±2.227	0.993	134.478	129.519~140.073	0.115
S2853-1	150	70.00	$y=-28.399+13.303x$	13.303±2.304	0.982	136.388	131.771~141.899	0.113
HD-73	30	83.33	$y=-1.701+1.432x$	1.432±0.27	0.976	15.414	10.013~21.102	1.000

注: 毒力指数为标准菌株的半致死浓度(LC50)除以出发菌株的半致死浓度(LC50)的比值, 比值越大, 毒性越强, 反之, 毒性越小

Note: Toxicity index means the tested strain's LC50 divided by the HD-73's LC50. As the ratio be more larger, the toxicity be more higher; otherwise, the toxicity be more weaker