TABLE ITable 1. Mean open and closed time constants of single CRCs in various experimental conditions

	Open		Closed	
τ_{o} (ms)	Proportion (%)	τ_{c} (ms)	Proportion (%)	
0.318 ± 0.025	93.79 ± 1.66	1.372 ± 0.116	44.10 ± 3.86	
3.674 ± 0.407	6.21 ± 1.66	5.861 ± 0.477	55.90 ± 3.86	
0.674 ± 0.276	79.95 ± 3.10	1.063 ± 0.327	56.19 ± 5.88	
10.200 ± 3.524	16.35 ± 1.95	9.807 ± 3.393	34.84 ± 3.35	
16.820 ± 5.340	3.70 ± 1.15	29.067 ± 11.643	8.97 ± 2.53	
0.302 ± 0.014	88.95 ± 1.20	0.919 ± 0.092	63.95 ± 3.50	
4.532 ± 0.648	11.05 ± 1.20	3.467 ± 0.196	36.05 ± 3.50	
0.266 + 0.016	94.49 + 2.76	0.005 + 0.060	52 21 + 2 67	
			53.21 ± 3.67 46.79 ± 3.67	
3.722 ± 0.471	15.52 ± 2.76	0.193 ± 0.499	40.79 ± 3.07	
0.359 ± 0.030	89.65 ± 2.01	0.848 ± 0.061	52.32 ± 3.53	
3.639 ± 0.563	10.35 ± 2.01	7.142 ± 0.860	47.68 ± 3.53	
0.579 ± 0.038	78.01 ± 4.51	0.720 ± 0.063	63.66 ± 4.08	
8.088 ± 1.471	16.47 ± 1.46	5.568 ± 1.551	27.36 ± 0.94	
20.157 ± 11.398	5.52 ± 3.05	33.834 ± 16.247	8.98 ± 3.14	
* 0.371 ± 0.028	87.82 ± 2.52	0.736 ± 0.085	61.60 ± 5.11	
4.602 ± 0.769	12.18 ± 2.52	4.992 ± 0.825	38.40 ± 5.11	
	0.318 ± 0.025 3.674 ± 0.407 0.674 ± 0.276 10.200 ± 3.524 16.820 ± 5.340 0.302 ± 0.014 4.532 ± 0.648 0.366 ± 0.016 3.722 ± 0.471 0.359 ± 0.030 3.639 ± 0.563 * 0.579 ± 0.038 8.088 ± 1.471 20.157 ± 11.398 ** 0.371 ± 0.028	$0.318 \pm 0.025 \qquad 93.79 \pm 1.66$ $3.674 \pm 0.407 \qquad 6.21 \pm 1.66$ $0.674 \pm 0.276 \qquad 79.95 \pm 3.10$ $10.200 \pm 3.524 \qquad 16.35 \pm 1.95$ $16.820 \pm 5.340 \qquad 3.70 \pm 1.15$ $0.302 \pm 0.014 \qquad 88.95 \pm 1.20$ $4.532 \pm 0.648 \qquad 11.05 \pm 1.20$ $0.366 \pm 0.016 \qquad 84.48 \pm 2.76$ $3.722 \pm 0.471 \qquad 15.52 \pm 2.76$ $0.359 \pm 0.030 \qquad 89.65 \pm 2.01$ $3.639 \pm 0.563 \qquad 10.35 \pm 2.01$ $0.579 \pm 0.038 \qquad 78.01 \pm 4.51$ $8.088 \pm 1.471 \qquad 16.47 \pm 1.46$ $20.157 \pm 11.398 \qquad 5.52 \pm 3.05$ $** 0.371 \pm 0.028 \qquad 87.82 \pm 2.52$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	

Values are the means \pm SE for the number of channels shown in parenthesis. Each channel was studied for 1 min with 2 observations and average value was calculated. One-way analysis of ANOVA was used to test significance between the means of different pairs of data sets. Asterisks indicate statistically significant differences among the 3 groups for native RyR1 (ANOVA, P<0.01). Double asterisks indicate statistically significant differences among the 4 groups for purified RyR1 (ANOVA, P<0.01).

TABLE II

Table 2. Effects of DIDS binding proteins in the presence of purified CRC and DIDS

		P _o	
Proteins	$10~\mu M~Ca^{2+}$	$10 \mu M Ca^{2+} + 10 \mu M DIDS$	
GAPDH	0.13 ± 0.04	0.17 ± 0.03	
Malate dehydrogenase	0.21 ± 0.06	0.27 ± 0.04	
Adenylate kinase	0.17 ± 0.07	0.14 ± 0.05	
Aldolase	0.19 ± 0.03	$0.42\pm0.05^*$	

The experiments were carried out as described in the legend to Fig. 5. Values are the mean \pm SE for 3 independent experiments. *Significantly different between the 2 experimental groups (unpaired *t*-test, p < 0.05).