TABLE 6

Results of significance tests from logit equations for the choice of the natural side

Estimating equation:
$$R = G[a_0 + a_1\text{lag}(R) + a_2\text{lag2}(R) + b_0 R^* + b_1\text{lag}(R^*) + b_2\text{lag2}(R^*) + c_1\text{lag}(R)\text{lag}(R^*) + c_2\text{lag2}(R)\text{lag2}(R^*)]$$

Null hypothesis:		Players whose behaviour allows rejection of the null hypothesis at the:		
		0·05 level	0·10 level	0·20 level
1. $a_1 = a_2 = b_0 = b_1 = b_2 = c_1 = c_2 = 0$	Kicker	—	2	2, 18
	Goalkeeper	—	7	7, 15
2. $a_1 = a_2 = 0$	Kicker	—	2	2, 14
	Goalkeeper	—	8	8, 17
3. $b_1 = b_2 = 0$	Kicker	—	—	5
	Goalkeeper	—	7	7
4. $c_1 = c_2 = 0$	Kicker	—	—	6
	Goalkeeper	—	—	14
5. $b_0 = 0$	Kicker	—	11, 17	5, 11, 17, 21
	Goalkeeper	—	3, 16	3, 9, 10, 16

Notes: R and R^* denote the choice of "natural" strategy by a kicker and a goalkeeper, respectively (right for a right-footed kicker and for a goalkeeper facing a right-footed kicker, and left for a left-footed kicker and for a goalkeeper facing a left-footed kicker). The terms "lag" and "lag2" refer to the strategies previously followed in the ordered sequence of penalty kicks. $G[x]$ denotes the function $\exp(x)/[1 + \exp(x)]$. Rejections are based on likelihood-ratio tests.