MLS	Dataset	PCR(AIC)			PCR(HQIC)	
	abalone	48.82(2)	48.82(2)	48.82(2)	48.82(2)	49.73(5)
	airfoil_self_noise	3.29e+4(3)	3.29e + 4(3)	3.29e + 4(3)	3.29e+4(3)	3.29e+4(3)
	auto_mpg	943.57(3)	943.57(3)	943.57(3)	943.57(3)	943.57(3)
	automobile	417.34(3)	417.34(3)	417.34(3)	417.34(3)	417.34(3)
	concrete_data	38.94(3)	38.94(1)	38.94(5)	38.94(1)	38.94(3)
	crime	35.11(2)	35.11(4)	35.11(2)	35.11(2)	35.11(4)
	fertility	106.73(3)	106.73(3)	106.73(3)	106.73(3)	103.66(1)
Ridge	flow	65.32(2)	65.32(2)	293.34(5)	65.32(2)	65.32(2)
	forest	101.76(3)	101.76(3)	101.76(3)	101.76(3)	101.76(3)
	qsar	43.17(3)	43.17(1)	43.17(3)	43.17(3)	43.17(3)
	servo	60.53(3)	60.53(3)	60.53(3)	60.53(3)	60.53(3)
	slump	87.19(3)	87.19(3)	87.19(3)	87.19(3)	87.19(3)
	traffic	45.07(3)	43.95(1)	45.07(3)	43.95(1)	49.95(5)
	wine_red	65.46(2)	65.46(5)	65.46(2)	65.46(2)	65.46(2)
	wine_white	75.83(3)	75.37(1)	75.83(4)	75.37(2)	75.83(5)
Avg. Rar	ık	(2.97)	(2.73)	(3.30)	(2.63)	(3.37)
	abalone	57.61(4)	50.41(1)	50.41(2)	50.41(3)	65.13(5)
	airfoil_self_noise					3.28e+4(3)
SVR	auto_mpg	185.55(3)	182.67(1)	185.55(3)	185.55(3)	193.93(5)
	automobile	451.56(3)	451.56(3)	451.56(3)	451.56(3)	451.56(3)
	concrete_data	240.53(5)	232.99(1)	240.53(3)	232.99(2)	240.53(3)
	crime	56.05(3)	56.05(3)	56.05(3)	56.05(3)	56.05(3)
	fertility	158.60(4)	117.74(1)	155.12(3)	130.04(2)	170.95(5)
	flow	296.80(3)	296.80(3)	296.80(3)	296.80(3)	296.80(3)
	forest	103.89(3)	103.89(3)	103.89(3)	103.89(3)	103.89(3)
	qsar	58.70(4)	45.28(1)	48.38(3)	45.28(2)	62.63(5)
	servo	32.37(4)	32.08(2)	32.37(4)	29.32(1)	32.37(4)
	slump	274.30(3)	274.30(3)	274.30(3)	274.30(3)	274.30(3)
	traffic	81.22(2)	88.31(5)	81.22(2)	81.65(4)	81.22(2)
	wine_red	106.00(3)	84.20(1)	106.00(4)	85.26(2)	118.84(5)
	wine white	89.09(4)	79.47(2)	89.09(3)	79.47(1)	96.78(5)
Avg. Rar		(3.40)	(2.20)	(3.03)	(2.53)	(3.83)
21176. 1001	abalone	69.79(4)	59.86(1)	69.40(3)	62,30(2)	71.97(5)
	airfoil_self_noise				1.06e+4(1)	1.18e+4(4)
RFR	auto_mpg	910.67(3)	910.67(3)	910.67(3)	910.67(3)	910.67(3)
	automobile	411.55(3)	411.55(3)	411.55(3)	411.55(3)	411.55(3)
	concrete_data	480.88(1)	480.88(1)	480.88(4)	480.88(4)	480.88(4)
	crime	45.01(1)	45.01(5)	45.01(3)	45.01(1)	45.01(3)
	fertility	107.00(3)	107.00(3)	108.49(5)	107.00(3)	99.35(1)
	flow	874.77(3)	874.77(3)	874.77(3)	874.77(3)	874.77(3)
	forest	103.94(3)	103.94(3)	103.94(3)	103.94(3)	103.94(3)
	qsar	66.68(5)	48.91(1)	66.41(4)	48.91(2)	66.41(3)
	servo	31.82(1)	32.11(3)	33.83(4)	31.82(1)	43.36(5)
	slump	441.80(4)	369.46(1)	441.80(4)	369.46(1)	407.56(3)
	traffic	76.43(3)	70.89(1)	76.98(5)	70.89(1)	76.43(3)
	wine_red					
	wine_red wine_white	78.37(3) 88.45(4)	71.85(1) 77.91(1)	78.37(4) 88.45(3)	73.35(2) 84.07(2)	89.43(5) 104.86(5)
Avg. Rar		(3.23)	(2.20)		(2.30)	
Avg. Kank Mean Rank			(2.20)	(3.67)	(2.30)	(3.60)
mean Ra	IIK	(3.20)	(2.38)	(3.33)	(2.49)	(3.00)

Table 17: The 3-fold cross validation relative mean squared error and Friedman ranks for all the datasets when PCR, using several stop criteria (AIC, AICc, BIC, HQIC and GMDL), taking into account some baseline systems (Ridge, SVR and RFR) and the PSO sampling strategy.