

Table S1: Information on the sampling stations during the SAMCA IV cruise

| <i>Date</i> <i>dd/mm/yy</i> | <i>Station</i> <i>n.</i> | <i>Time</i> <i>hr</i> | <i>Latitude N</i> <i>deg. min. sec.</i> | <i>Longitude E</i> <i>deg. min. sec.</i> |
|--------------------------------|-----------------------------|--------------------------|--|---|
| 17/02/04 | 1 | 8.41 | 38°50' 01 | 15°23' 02 |
| 17/02/04 | 2 | 13.41 | 38°31' 86 | 15°22' 77 |
| 17/02/04 | 3 | 17.53 | 38°19' 91 | 15°23' 54 |
| 17/02/04 | 4 | 19.49 | 38°18' 43 | 15°35' 20 |
| 18/02/04 | 20 | 14.52 | 38°16' 99 | 15°42' 31 |
| 18/02/04 | 21 | 15.43 | 38°16' 48 | 15°44' 98 |
| 18/02/04 | 22 | 15.56 | 38°16' 05 | 15°45' 26 |
| 19/02/04 | 25 | 9.14 | 37°45' 00 | 15°35' 00 |
| 19/02/04 | 26 | 13.16 | 38°01' 30 | 15°37' 74 |
| 19/02/04 | 29 | 16.48 | 38°01' 27 | 15°32' 95 |
| 19/02/04 | 31 | 18.58 | 38°02' 84 | 15°29' 54 |
| 20/02/04 | 51 | 10.14 | 38°13' 37 | 15°35' 02 |
| 20/02/04 | 52 | 12.15 | 38°03' 20 | 15°29' 02 |
| 20/02/04 | 53 | 15.34 | 38°05' 98 | 15°34' 24 |
| 20/02/04 | 54 | 16.31 | 38°07' 00 | 15°32' 00 |
| 20/02/04 | 57 | 18.24 | 38°14' 28 | 15°35' 75 |
| 20/02/04 | 57A | 19.15 | 38°14' 30 | 15°35' 76 |
| 20/02/04 | 60 | 21.10 | 38°14' 80 | 15°37' 05 |
| 20/02/04 | 61 | 21.30 | 38°14' 49 | 15°37' 26 |
| 20/02/04 | 62 | 21.52 | 38°13' 97 | 15°37' 65 |
| 21/02/04 | 71 | 9.13 | 38°11' 40 | 15°35' 15 |
| 21/02/04 | 73 | 10.36 | 38°11' 48 | 15°36' 76 |
| 21/02/04 | 76 | 14.32 | 38°15' 72 | 15°42' 80 |
| 21/02/04 | 78 | 15.44 | 38°15' 66 | 15°39' 36 |
| 21/02/04 | 80 | 16.32 | 38°15' 20 | 15°39' 92 |