Table S1 Association between risk factors and hand eczema—logistic regression analysis

|                                | Hand eczema | Univariate |          |          |
|--------------------------------|-------------|------------|----------|----------|
|                                | No, n (%)   | Yes, n (%) | OR (95% CI) | P value  |
| Use of moisturizers daily      |             |            |          |          |
| 1                              | 207 (40.2)  | 21 (4.1)   | 1        | 0.999    |
| 1–5                            | 244 (47.2)  | 27 (5.2)   | 0.991 (0.502–1.958) | 0.979   |
| 5–10                           | 13 (2.5)    | 1 (0.2)    | 0.832 (0.094–7.349) | 0.868   |
| >10                            | 2 (0.4)     | 0 (0.0)    | 0        | 0.999    |
| Kitchen work time              |             |            |          |          |
| ≤0.5                           | 278 (53.4)  | 30 (5.8)   | 1        |          |
| >0.5                           | 193 (37.0)  | 20 (3.8)   | 0.960 (0.530–1.741) | 0.894   |
| Daily hours of cleaning and doing laundry |             |            |          |          |
| ≤0.5                           | 320 (61.4)  | 34 (6.5)   | 1        |          |
| >0.5                           | 151 (29.0)  | 16 (3.1)   | 0.997 (0.534–1.863) | 0.993   |
| Frequent use of cosmetics      |             |            |          |          |
| No                             | 373 (71.6)  | 38 (7.3)   | 1        |          |
| Yes                            | 98 (18.8)   | 12 (2.3)   | 1.202 (0.605–2.387) | 0.599   |
| Frequent use of lubricating oil|             |            |          |          |
| No                             | 459 (88.1)  | 49 (9.4)   | 1        |          |
| Yes                            | 12 (2.3)    | 1 (0.2)    | 0.781 (0.099–6.132) | 0.814   |
| Frequent contact with metal    |             |            |          |          |
| No                             | 461 (88.5)  | 50 (9.6)   | 1        |          |
| Yes                            | 10 (2.1)    | 0 (0.0)    | 0        | 0.999    |
| Frequent contact with raw meat |             |            |          |          |
| No                             | 426 (81.8)  | 25 (8.6)   | 1        |          |
| Yes                            | 45 (8.6)    | 5 (1.0)    | 1.052 (0.397–2.785) | 0.919   |
| Frequent contact with plants   |             |            |          |          |
| No                             | 441 (84.6)  | 47 (9.0)   | 1        |          |
| Yes                            | 30 (5.8)    | 3 (0.6)    | 0.938 (0.276–3.192) | 0.919   |
| Frequent contact with soil     |             |            |          |          |
| No                             | 461 (88.5)  | 50 (9.6)   | 1        |          |
| Yes                            | 10 (1.9)    | 0 (0.0)    | 0        | 0.999    |
| Hay fever                      |             |            |          |          |
| No                             | 378 (72.6)  | 40 (7.7)   | 1        | 0.966    |
| Yes                            | 93 (17.9)   | 10 (1.9)   | 1.106 (0.490–2.107) |          |
| Asthma                         |             |            |          |          |
| No                             | 463 (88.9)  | 49 (9.4)   | 1        | 0.877    |
| Yes                            | 8 (1.5)     | 1 (0.2)    | 1.181 (0.145–9.641) |          |
| Family history of allergy disease |         |            |          |          |
| No                             | 155 (29.8)  | 17 (3.3)   | 1        | 0.876    |
| Yes                            | 316 (60.7)  | 33 (6.3)   | 1.050 (0.567–1.944) |          |

OR, odds ratio; CI, confidence interval.