

Table SI. Characteristics of 21 melanomas from 17 CDKN2A founder mutation carriers

| Patient | Sex | Age, years | Localization             | Histology      | Breslow (mm) | Clark | CDKN2A                       | RHC variants    | TDS  |
|---------|-----|------------|--------------------------|----------------|--------------|-------|------------------------------|-----------------|------|
| 1       | F   | 68         | Extremities (lower limb) | SSM            | 1.4          | 4     | r.225-243del                 | –               | 6.10 |
| 2       | F   | 51         | Extremities (upper limb) | <i>In situ</i> | –            | 1     | r.225-243del                 | –               | 7.40 |
| 3       | M   | 50         | Trunk (back)             | SSM            | 1.3          | 4     | r.225-243del                 | I155T, R160W    | 7.60 |
| 4       | F   | 38         | Trunk (back)             | SSM            | 0.66         | 3     | r.225-243del                 | –               | 7.60 |
| 5       | F   | 40         | Extremities (lower limb) | SSM            | 0.4          | 3     | r.225-243del                 | R151C           | 6.20 |
| 6       | M   | 40         | Trunk (back)             | <i>In situ</i> | –            | 1     | r.225-243del                 | R160W           | 8.30 |
| 7       | F   | 36         | Neck                     | <i>In situ</i> | –            | 1     | r.225-243del                 | R151C           | 7.10 |
| 8       | F   | 35         | Trunk (front)            | SSM            | 0.4          | 3     | r.225-243del                 | –               | 7.40 |
| 9       | M   | 28         | Trunk (front)            | <i>In situ</i> | –            | 1     | r.225-243del                 | I155T           | 6.30 |
| 9       | M   | 31         | Shoulder                 | <i>In situ</i> | –            | 1     | r.225-243del<br>(homozygous) | I155T           | 7.20 |
| 9       | M   | 31         | Shoulder                 | SSM            | 0.9          | 4     | r.225-243del<br>(homozygous) | I155T           | 7.90 |
| 9       | M   | 32         | Neck                     | SSM            | 0.5          | 3     | r.225-243del<br>(homozygous) | I155T           | 7.10 |
| 9       | M   | 33         | Shoulder                 | SSM            | 0.64         | 3     | r.225-243del<br>(homozygous) | I155T           | 7.40 |
| 10      | M   | 33         | Trunk (back)             | SSM            | 0.7          | 4     | r.225-243del                 | –               | 8.00 |
| 11      | M   | 60         | Extremities (upper limb) | SSM            | 1.8          | 4     | r.225-243del                 | R151C           | 6.90 |
| 12      | F   | 57         | Shoulder                 | SSM            | 0.56         | 3     | r.225-243del                 | –               | 6.70 |
| 13      | F   | 50         | Shoulder                 | SSM            | 0.8          | 3     | r.225-243del                 | –               | 5.80 |
| 14      | F   | 49         | Trunk (back)             | <i>In situ</i> | –            | 1     | r.225-243del                 | –               | 5.90 |
| 15      | F   | 35         | Extremities (lower limb) | <i>In situ</i> | –            | 1     | r.225-243del                 | –               | 5.50 |
| 16      | F   | 32         | Extremities (lower limb) | SSM            | 0.4          | 2     | r.225-243del                 | R160W           | 7.40 |
| 21      | F   | 29         | Extremities (upper limb) | <i>In situ</i> | –            | 1     | r.225-243del                 | R151C,<br>R151C | 6.40 |

SSM: superficial spreading malignant melanoma; RHC: red hair colour; TDS: total dermoscopy score.