S2 File– Articles excluded after full text reading, phase 2 (n=184).

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| **Author, Year** | **Reason of exclusion** |
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| Ahmad et al, 2015 | 5 |
| Alley et al, 2017 | 10 |
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| Zandberg et al, 2018 | 10 |
| Zhang et al, 2018 | 2 |
| Zhu et al, 2018 | 2 |

Source: Elaborated by the authors

Continuation...

1- Immune checkpoint study associated with a vaccine (n=6); 2- Immune checkpoint study with target therapy (n=9); 3- Reviews of the literature, letters, case reports, protocols (n=18); 4- Immune checkpoint study associated with other therapies (n=23); 5- Complementary studies with duplicate data (n=24); 6- Absence of dermatological toxicity (n=10); 7- Qualitative study (n=1); 8- Data extraction not possible/ Incomplete (n=18); 9- Pre-existing autoimmune disease (n=1); 10- Other types of cancer (not melanoma) (n=74).

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