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Possible roles for glucocorticoid signalling in breast cancer

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1 **Title;** Possible roles for glucocorticoid signalling in breast cancer

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11 Abbreviations;

12 11 β HSD1 – 11 beta Hydroxysteroid Dehydrogenase 1; 11 β HSD2 -11 beta Hydroxysteroid
13 Dehydrogenase 2; ALDH - aldehyde dehydrogenase; AR- Androgen Receptor; ARE – Androgen
14 Responsive element; BRCA1- Breast Cancer Associated Protein Type 1; BRCA2 - Breast Cancer
15 Associated Protein Type 1; Brk - Tyrosine-protein kinase 6/Breast Tumor Kinase; CCAR1 – Cell Cycle
16 and apoptosis regulatory protein 1; CDK – Cyclin Dependent Kinase; C-ETS - ETS Proto-Oncogene
17 1/p54, Transcription Factor; cMyb - MYB proto-oncogene, transcription factor; COCOA- calcium
18 binding and coiled coil domain containing protein; DCIS – Ductal Carcinoma in Situ; Dex-
19 Dexamethasone; EMT- Epithelial to Mesenchymal transition; ER α - Estrogen Receptor Alpha; ER β –
20 Estrogen receptor beta; FOXA1 – Forkhead Box protein A1; FOXA3 - Forkhead Box protein A3;
21 FOXA01 - Forkhead Box protein O1; GR – Glucocorticoid Receptor; GRE – Glucocorticoid Response
22 Element; GRIP1 – Glucocorticoid interacting protein 1; GSK-3 – Glycogen Synthase Kinase 3; HER2 –
23 Human Epidermal Growth Factor Receptor 2; HIC-5 – Hydrogen peroxide inducible Clone 5/
24 Transforming growth factor beta-1-induced transcript1 protein; HSP40 – Heat shock protein 40;
25 HSP70 – Heatshock protein 70; HSP90 – Heatshock protein 90; IDC – Invasive ductal carcinoma; IL-6 –
26 Interleukin 6; JNK – c-Jun N-terminal Kinase; Ki-67 – Proliferation marker Ki-67; MAPk – Map Kinase;
27 MET – Mesenchymal to epithelial transition; MPK1 – Mitogen Activated protein kinase 1; p300 - E1A
28 binding protein p300; PD-1 – Programmed Cell Death 1; PDL-1 – Programmed cell death ligand 1; PR
29 – Progesterone receptor; SGk1- Serum/Glucocorticoid regulated kinase ; SMARCA4 - SWI/SNF
30 related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 4; SPARK1 -
31 SPecificity-affecting AR KnockIn ; SRC1 – Steroid receptor coactivator 1/nuclear receptor coactivator
32 1; SRC2 – Steroid Receptor coactivator 2/ nuclear receptor coactivator 1/TIF2- transcriptional
33 intermediary factor 2/nuclear receptor coactivator 2/GRIP1; SRC3 – Steroid receptor co-activator 3/
34 nuclear receptor coactivator 3;; TNBC – Triple negative breast cancer

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36 Abstract.

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