Here we present the results from fitting the DustPedia galaxies with a single Sersic model which assumes several free parameters: the total magnitude, the effective radius, the Sersic index, the apparent flattening, and the position angle. The fit is applied to the WISE W1 and Herschel (beyond 100 microns) data. In the WISE W1 band, all 875 galaxies except 5 were successfully fitted (the results are presented in the table DustPedia_WISE1_decomp_2.0.csv, with the parameters m_Vega - the fit total magnitude, r_e - the effective radius in arcsec, r_e_kpc - the effective radius in kpc (the best distance is taken from Clark et al. 2018), n - the Sersic index, q - the fit apparent flattening, PA - the position angle. In the table DustPedia_WISE1_decomp_add_2.0.csv some additional information is provided: mag_ap - the total magnitude within the apertures defined in Clark et al. (2018), log(Lum) - the total luminosity in Lsun computed from mag_ap and best distance, log(Mass) - logarithm of the stellar mass in solar masses calculated from Lsun using the mass-to-light luminosity ratio M*/L_{W1} = 0.65 from Kettlety et al. (2018), Incl - the galaxy inclination in deg which is calculated using the decomposition based on the S4G data or our single Sersic results (using the fit apparent flattening for the Hubble formula to calculate the inclination), Type and Type_err are the galaxy stage and its error taken from HyperLeda.

For the Herschel data, only galaxies with the fluxes larger than 3-sigma in all 5 bands (PACS 100, PACS 160, SPIRE 250, SPIRE 350, SPIRE 500) and without major flags were fitted. They were modelled individually in each band with GALFIT (the results are given DustPedia_Herschel_decomp_2.0.csv) and simultaneously in all five bands (DustPedia_Herschel_decompM_2.0.csv) using GALFITM. The output files contain the fit total flux (in Jy), the effective radius (in arcsec), the Sersic index, the apparent flattening, and the position angle (in deg). The reduced X^2 is provided for each model, together with some comments about the robustness of the fit and a first guess about the multicomponent model which can be applied in the future for fitting the DustPedia galaxies.