$$\begin{aligned} & \text{(*Pl}(\mathbf{mu},3)*) \\ & \text{n = 6}; \\ & \text{L = Table}[\text{li, } \{\text{li, } \{1.0, 0.6, 0.3, 0.1, 0.05, 0.05, 0.05\}\}] * \text{Table}\Big[\frac{\text{n1}}{\text{i! } (\text{n - i})!}, \\ & \{\text{i, } \{0, 1, 2, 3, 4, 5, 6\}\}\Big] * \text{Table}\Big[\frac{\left(\mu/\mu 0\right)^3}{\left(1 + \frac{\mu}{\mu_0}\right)^6}, \left(\text{i, } \{0, 1, 2, 3, 4, 5, 6\}\}\Big] \\ & \{\frac{1}{\left(1 + \frac{\mu}{\mu_0}\right)^6}, \frac{3.6\,\mu}{\left(1 + \frac{\mu}{\mu_0}\right)^6\mu^0}, \frac{4.5\,\mu^2}{\left(1 + \frac{\mu}{\mu_0}\right)^6\mu^0}, \frac{0.05\,\mu^6}{\left(1 + \frac{\mu}{\mu_0}\right)^6\mu^0}\} \\ & \frac{2.\,\mu^3}{\left(1 + \frac{\mu}{\mu_0}\right)^6\mu^0}, \frac{0.75\,\mu^4}{\left(1 + \frac{\mu}{\mu_0}\right)^6\mu^0} + \frac{3.6\,\mu}{\left(1 + \frac{\mu}{\mu_0}\right)^6\mu^0} + \frac{4.5\,\mu^2}{\left(1 + \frac{\mu}{\mu_0}\right)^6\mu^0}\} \\ & \text{Lsim = FullSimplify}\Big[\frac{1}{\left(1 + \frac{\mu}{\mu_0}\right)^6} + \frac{3.6\,\mu}{\left(1 + \frac{\mu}{\mu_0}\right)^6\mu^0} + \frac{4.5\,\mu^2}{\left(1 + \frac{\mu}{\mu_0}\right)^6\mu^0}\} \\ & \frac{2\,\mu^3}{\left(1 + \frac{\mu}{\mu_0}\right)^6\mu^0} + \frac{0.3\,\mu^5}{\left(1 + \frac{\mu}{\mu_0}\right)^6\mu^0} + \frac{0.05\,\mu^6}{\left(1 + \frac{\mu}{\mu_0}\right)^6\mu^0}\Big] \\ & \frac{\mu^0^4}{\left(4.5\,\mu^2 + 3.6\,\mu\,\mu^0 + 1.\,\mu^0^2\right)} \\ & (\mu + \mu^0)^6 \\ \end{aligned}$$

$$\text{Ym = Table}\Big[\gamma mi, \{\gamma mi, \{0, 0.04, 0.2, 1.0, 1.0, 1.0, 1.0, 1.0\}\}\} * \\ & \text{Table}\Big[\frac{n1}{i! (n - i)!}, \{i, \{0, 1, 2, 3, 4, 5, 6\}\}\Big] \\ & \{0, \frac{0.24\,\mu}{\left(1 + \frac{\mu}{\mu_0}\right)^6\mu^0}, \frac{3.\,\mu^2}{\left(1 + \frac{\mu}{\mu_0}\right)^6\mu^0}, \frac{20.\mu^3}{\left(1 + \frac{\mu}{\mu_0}\right)^6\mu^0}, \frac{15.\,\mu^4}{\left(1 + \frac{\mu}{\mu_0}\right)^6\mu^0}, \frac{6.\,\mu^5}{\left(1 + \frac{\mu}{\mu_0}\right)^6\mu^0}\Big] \\ & \text{Ymsim = FullSimplify}\Big[\frac{0.24\,\mu}{\left(1 + \frac{\mu}{\mu_0}\right)^6\mu^0} + \frac{3\,\mu^2}{\left(1 + \frac{\mu}{\mu_0}\right)^6\mu^0} + \frac{20\,\mu^3}{\left(1 + \frac{\mu}{\mu_0}\right)^6\mu^0}, \frac{15.\,\mu^4}{\left(1 + \frac{\mu}{\mu_0}\right)^6\mu^0}, \frac{15.\,\mu^6}{\left(1 + \frac{\mu}{\mu_0}\right)^6\mu^0}\Big] \\ & \frac{15\,\mu^4}{\left(1 + \frac{\mu}{\mu_0}\right)^6\mu^0} + \frac{6\,\mu^3}{\left(1 + \frac{\mu}{\mu_0}\right)^6\mu^0} + \frac{13\,\mu^2}{\left(1 + \frac{\mu}{\mu_0}\right)^6\mu^0} + \frac{20\,\mu^3}{\left(1 + \frac{\mu}{\mu_0}\right)^6\mu^0}\Big]}{\mu^{\mu^0}} \\ & \frac{15\,\mu^4}{\left(1 + \frac{\mu}{\mu_0}\right)^6\mu^0} + \frac{6\,\mu^3}{\left(1 + \frac{\mu}{\mu_0}\right)^6\mu^0} + \frac{13\,\mu^2}{\left(1 + \frac{\mu}{\mu_0}\right)^6\mu^0}\Big]}{\mu^{\mu^0}} \\ & \frac{15\,\mu^4}{\left(1 + \frac{\mu}{\mu_0}\right)^6\mu^0} + \frac{6\,\mu^3}{\left(1 + \frac{\mu}{\mu_0}\right)^6\mu^0} + \frac{13\,\mu^2}{\left(1 + \frac{\mu}{\mu_0}\right)^6\mu^0}\Big]}{\mu^{\mu^0}} \\ & \frac{15\,\mu^3}{\left(1 + \frac{\mu}{\mu_0}\right)^6\mu^0} + \frac{13\,\mu^2}{\left(1 + \frac{\mu}{\mu_0}\right)^6\mu^0} + \frac{13\,\mu^2}{\left(1 + \frac{\mu}{\mu_0}\right)^6\mu^0}\Big]}{\mu^0} \\ & \frac{15\,\mu^3}{\left(1 + \frac{\mu}{\mu_0}\right)^6\mu^0} + \frac{13\,\mu^2}{\left(1 + \frac{\mu}{\mu_0}\right)^6\mu^0} + \frac{13\,\mu^2}{\left(1 + \frac{\mu}{\mu_0}\right)^6\mu^0}\Big]}{\mu^0} \\ & \frac{1$$

(* Pl = L/(Ym+km) *)

$$\begin{split} &\text{FullSimplify} \Big[\left(\frac{\mu 0^4 \left(4.5 \, \mu^2 + 3.6 \, \mu \, \mu 0 + 1 \, \mu 0^2 \right)}{\left(\mu + \mu 0 \right)^6} \right) \middle/ \left(0.5 + \frac{\mu \, \mu 0^3 \, \left(20 \, \mu^2 + 3 \, \mu \, \mu 0 + 0.24 \, \mu 0^2 \right)}{\left(\mu + \mu 0 \right)^6} \right) \Big] \\ &\left(\mu 0^4 \, \left(4.5 \, \mu^2 + 3.6 \, \mu \, \mu 0 + \mu 0^2 \right) \right) \middle/ \left(\mu + \mu 0 \right)^6 \left(0.5 + \left(20. \, \mu \, \mu 0^3 \, \left(\mu^2 + 0.15 \, \mu \, \mu 0 + 0.012 \, \mu 0^2 \right) \right) \middle/ \left(\mu + \mu 0 \right)^6 \right) \Big) \end{split}$$